

CHAPTER 21

STORMWATER MANAGEMENT

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21.01.....	Purpose
21.02.....	Applicability and Jurisdiction
21.03.....	Definitions
21.04.....	Technical Standards
21.05.....	Permitting Requirements, Procedures and Fees
21.06.....	Maintenance and Monitoring Agreements
21.07.....	Performance Standards
21.08.....	Financial Guarantee
21.09.....	Compliance Enforcement
21.10.....	Penalty

17 **21.01 PURPOSE**

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19 (1) **AUTHORITY**

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21 (a) This chapter is adopted by the Town of River Falls (hereinafter referred to as
22 the Town) under the authority granted by Wis. Stats. §62.234 and §62.11(5).
23 This chapter supersedes all conflicting and contradictory storm water
24 management regulations previously enacted under Wis. Stats. §62.23 except
25 as specifically provided in Wis. Stat. §62.234. Wis. Stat. §62.23 applies to
26 this chapter and any amendments

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28 (b) The provisions of this chapter are deemed not to limit any other lawful
29 regulatory powers of the Town.

30

31 (c) In instances where the provisions of this chapter conflict with provisions of
32 other Town ordinances, zoning regulations, or the provisions of State agencies
33 including, but not limited to, the Wisconsin Pollutant Discharge Elimination
34 System (WPDES) Storm Water Permits issued by the Department of Natural
35 Resources under Wis. Stat. §281.31, the more stringent provisions shall apply.

36

37 (d) The Town hereby designates the Town Engineer as the person responsible to
38 administer and enforce the provisions of this chapter.

39

40 (e) The requirements of this chapter do not preempt more stringent storm water
41 management requirements that may be imposed by WPDES Storm Water
42 Permits issued by the Department of Natural Resources under Wis. Stat.
43 §283.31.

44

45 (2) **FINDINGS OF FACT.**

46

47 (a) The Town and adjacent towns are growing at a rapid rate. The Kinnickinnic
48 River and its tributaries are valuable trout waters of regional significance,
49 representing a major natural amenity of the community. However, the effect
50 of storm water from the Town and the City has the potential to degrade the
51 physical and biological characteristics of the Kinnickinnic River and its'
52 tributaries. The increase in urban and rural runoff, and the associated thermal
53 and sediment related pollution from present and future land uses will continue
54 to have a detrimental effect on the cold-water fishery of the Kinnickinnic
55 River and its' major tributaries without proper management of surface and
56 ground water.

57

58 (b) The protection of the water quality of the Kinnickinnic is critical to the
59 environmental and economic future of the community. Development in the
60 Kinnickinnic River Watershed needs to be carefully planned to protect the
61 existing resources. Trout are considered an indicator species of environmental
62 quality. Therefore, trout habitat is a major issue in this urbanizing area. A

63 strategy to protect and enhance this resource must be developed, locally
64 supported, adopted and implemented.

65
66 (c) With an increase in development pressure, there is less opportunity for
67 groundwater to infiltrate and recharge groundwater and cold-water feeder
68 streams. Uncontrolled storm water runoff will result in increased water
69 temperatures that threaten high quality trout waters. In addition, uncontrolled
70 rates and volumes of storm water runoff can:

- 71
72 1. Degrade physical stream habitat by increasing stream bank erosion,
73 increasing stream bed scour, diminishing groundwater recharge,
74 diminishing stream base flows and increasing water temperatures;
- 75
76 2. Diminish the capacity of lakes and streams to support fish, aquatic life,
77 recreational and water supply uses by increasing loadings of nutrients and
78 other urban pollutants;
- 79
80 3. Alter wetland communities by changing wetland hydrology and by
81 increasing pollutant loads;
- 82
83 4. Reduce the quality of groundwater by increasing pollutant loading;
- 84
85 5. Threaten public health, safety, property and general welfare by overtaxing
86 storm sewers, drainage ways and other minor drainage facilities;
- 87
88 6. Threaten public health, safety, property and general welfare by increasing
89 major flood peaks and volumes;
- 90
91 7. Undermine floodplain management efforts by increasing the incidence and
92 levels of flooding.

93
94 (d) The Town was included in the Kinnickinnic Priority Watershed established by
95 St. Croix and Pierce County with the Department of Natural Resources (DNR)
96 to address watershed management at the basin level. The Priority Watershed
97 Plan, Non-Point Source Control Plan for the Kinnickinnic River Priority
98 Watershed Project, was adopted by St. Croix and Pierce Counties in March
99 1999, and approved by the DNR on April 13, 1999.

100
101 (3) PURPOSE.

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103 (a) The general purpose of this chapter is to accommodate anticipated community
104 development and land use practices, while controlling the quality and quantity
105 of storm water runoff and properly managing and protecting ground water
106 resources as well as the physical habitat of Kinnickinnic River and its
107 tributaries, and set forth storm water management and erosion control
108 performance standards which apply to all land development and land
109 disturbing activities.

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(b) Specific purposes are to:

1. The maximum extent practical, mimic existing hydrology including the existing base flow, infiltration, storm flow and thermal regime of the Kinnickinnic River and its tributaries;
2. Prevent and control the adverse effects of storm water, prevent and control soil erosion, prevent and control water pollution, protect spawning grounds, fish and aquatic life;
3. Control the exceeding of the safe capacity of existing drainage facilities and receiving water bodies; prevent undue channel erosion; control increases in the scouring and transportation of particulate matter; prevent conditions that endanger downstream property;
4. Further the maintenance of safe and healthful conditions; and
5. Control building sites, placement of structures, and extent of impervious surface and promote sound economic growth.

21.02 APPLICABILITY AND JURISDICTION.

(1) **APPLICABILITY.** This chapter applies to the following sites of land development or land disturbing activities:

- (a) Those requiring a subdivision plat approval or the construction of houses or commercial, industrial or institutional buildings on lots of approved subdivision plats;
- (b) Those requiring a certified survey approval or the construction of houses or commercial, industrial or institutional buildings on lots of approved certified surveys;
- (c) Those involving grading, removal of protective ground cover or vegetation, excavation, land filling or other land disturbing activity affecting a surface area of 10,000 sq. ft. or more;
- (d) Those involving excavation or filling or a combination of excavation or filling affecting 400 cu. yd. or more of dirt, sand or other excavation or fill material;
- (e) Those involving street, highway, road, or bridge construction, enlargement, relocation or reconstruction;
- (f) Those involving the laying, repairing, replacing or enlarging of an underground pipe or facility for a distance of 300 ft. or more for commercial or industrial use.

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(g) Those involving construction of any paved surface exceeding 10,000 square feet.

(NOTE: The preceding applicability criteria were prepared by the State Legislature and are specifically stated in §144,266, Wis. Stats., for inclusion in the model ordinance. Utility companies responsible for emergency repair work should enter into a "memorandum of agreement" with the Town Board clearly stating their responsibilities if their activities may be included under any of the above applicability criteria.)

(h) The construction of individual homes and farm buildings under 10,000 square feet are excluded from this ordinance unless said siting is located on slopes greater than 20% or is located within the flood fringe area as designated on the Pierce County Flood Fringe map.

(2) JURISDICTION. This chapter applies to all land development or land disturbing activities within the boundaries of the Town. No land owner or land operator may undertake a land development or land disturbing activity subject to this ordinance without having met the performance standards set forth in the Water Management Plan and without having received a permit from the Town Engineer prior to commencing the proposed activity.

(3) EXCEPTIONS. The following exceptions apply to the provisions of this chapter:

(a) Any new single family residence that has a DNR permit under NR 216.

(b) If the conditions in subparagraph (1), (2), or (3) are met, owners, builders and developers of single family and duplex homes shall be exempt from the provisions of this chapter with the exception that all provisions related to construction site erosion control shall be met within a subdivision.

1. For initial construction on a lot one acre or less in area and that was part of an approved plat or CSM prior to July 18, 2005.

2. For initial construction on a lot that is part of a Preliminary Plat or CSM approved after July 18, 2005, the following conditions are met:

a. The sub-divider of the lot has obtained a permit in accordance with this chapter.

b. The lot is developed in accordance with the permit that was issued to the sub-divider.

3. For subsequent changes to a currently developed lot, the following conditions are met.

a. Activity is disturbing less than 2000 square feet of land; and

- 204 b. Activity involves the addition of less than 1000 square feet impervious
205 surface.
206
- 207 (c) If the conditions in subparagraph (1) are met, owners, builders and developers
208 of other than single family and duplex homes shall be exempt from the
209 provisions of this chapter with the exception that all provisions related to
210 construction site erosion control shall be met.
211
- 212 1. For initial construction on a lot that was part of an approved Preliminary
213 Plat or CSM prior to July 18, 2005 the following conditions are met:
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- 215 a. The sub-divider of the lot has provided storm water management
216 facilities in accordance with a storm water management plan
217 previously approved by the Town.
218
- 219 b. The lot is developed in accordance with that previously approved
220 storm water management plan.
221
- 222 (d) The Town Engineer may establish on-site storm water management
223 requirements less stringent than those set forth herein provided provisions are
224 made to manage storm water by an off-site facility and provided all of the
225 following conditions for the off-site facility are met:
226
- 227 1. The off-site facility is operational prior to commencing the proposed land
228 development or land disturbing activity.
229
- 230 2. The off-site facility is designed and adequately sized to provide a level of
231 storm water control equal to or greater than that which would be afforded
232 by on-site practices meeting the requirements of this chapter.
233
- 234 3. The off-site facility has a legally obligated entity responsible for its long-
235 term operation and maintenance.
236
- 237 (4) EXCLUSIONS. The following are excluded from the provisions of this chapter:
238
- 239 (a) This chapter is not applicable to activities conducted by a state agency, as
240 defined under Wis. Stat. §227. 01 (1), but also including the office of district
241 attorney, which is subject to the state plan promulgated or a memorandum of
242 understanding entered into under Wis. Stat. §281. 33 (2).
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244 **21.03 DEFINITIONS.**

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- 246 (a) For the purpose of this chapter, the following definitions shall apply:
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1. AGRICULTURAL ACTIVITY means the planting, growing, cultivating and harvesting of crops; growing and tending of gardens and trees; harvesting of trees.
 2. AGRICULTURAL LAND USES. Alterations or disturbances of land for the production of food and fiber including, but not limited to, general farming, livestock and poultry enterprises, grazing, nurseries, horticulture, viticulture, truck farming, forestry, sod production, cranberry production and wild crop harvesting and including on site structures necessary to carry out such activities.
 3. BASE FLOW means normal flow conditions for a stream or river.
 4. BEST MANAGEMENT PRACTICES (OR BMP'S) means practices, techniques or measures that are effective in reducing flooding, removing pollutants, providing thermal mitigation, enhancing infiltration and/or providing other benefits related to stormwater management set forth in the Wisconsin Department of Natural Resources Conservation Practice Standards, or if no standard exists for a specific topic, then the Wisconsin Construction Site Best Management Practice Handbook, WDNR Pub. 24 WR- 222 November 1993 Revision., and any subsequent revisions thereto.
 5. BUSINESS DAY means a day that both the offices of the Town of River Falls and the permit holder are routinely and customarily open for business.
 6. CEASE AND DESIST ORDER means a court issued order to halt land development or land disturbing activity that is being conducted in violation of the ordinance.
 7. DETENTION means the temporary detaining or storage of storm water in reservoirs, on rooftops, in streets, parking lots or other areas under predetermined and controlled conditions, with the rate of discharge therefore regulated by appropriately installed devices.
 8. EROSION OR SOIL EROSION means the detachment and movement of soil or rock fragments by water, wind, ice, or gravity.
 9. EXCAVATION means any act by which organic matter, earth, sand, gravel, rock, or any other similar material is cut into, dug, quarried, uncovered, removed, displaced, relocated or bulldozed, and shall include the conditions resulting from the activity.
 10. FILL means any act, by which earth, sand, gravel, rock or any other material is deposited, placed, replaced, pushed, dumped, pulled,

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transported or moved by man to a new location and shall include the conditions resulting therefrom.

11. FINANCIAL GUARANTEE means a performance bond, maintenance bond, surety bond, irrevocable letter of credit, or similar guarantees submitted to the Town of River Falls by the permit holder to assure that requirements of the ordinance chapter are carried out in compliance with the permit.
12. GRADING means altering the elevation of the land surface by stripping, excavating, filling, stockpiling of soil materials or any combination thereof and shall include the land from which the material was taken or upon which it was placed.
13. IMPERVIOUS SURFACE means a surface that releases the rainfall as surface runoff during a large portion of the design rainfall event. Rooftops, sidewalks, parking lots, and street surfaces are examples of impervious surfaces.
14. INFILTRATION means the process by which rainfall or surface runoff percolates or penetrates into the underlying soil.
15. KARST FEATURE means an area or geologic feature subject to bedrock dissolution so that it is likely to provide a conduit to groundwater, and may include caves, enlarged fractures, mine features, exposed bedrock surfaces, sinkholes, springs, or seeps.
16. LAND DEVELOPMENT ACTIVITY means any construction of buildings, roads, parking lots, paved and unpaved storage areas and similar facilities, but not including agricultural activity.
17. LAND DISTURBING ACTIVITY means any man-made land change to the surface of private or public lands which may result in soil erosion, sedimentation or the increase in runoff, including but not limited to tilling, removal of vegetative cover, stockpiling of soil, grading, excavating and filling of land, except that the term shall not include such minor land disturbing activities as home gardens and normal repair and maintenance of private roads. This term does not include agricultural land uses.
18. LAND OCCUPIER means any person who holds title to land either as sole owner, a tenant in common or a joint tenant or has title as a trustee, assignee, or has a land contract vendor's interest.
19. LAND COVER means the various cover types found on a specific parcel including impervious surface, green space, wooded area, parking lot, etc.

- 339 20. MAINTENANCE AND MONITORING AGREEMENT means a legal
340 document filed with the County Register of Deeds as a property deed
341 restriction, which provides for long-term maintenance of storm water
342 management practices.
343
- 344 21. NRCS OR NATURAL RESOURCES CONSERVATION SERVICE
345 means the United States Agency responsible for establishing standards for
346 and design of many water quality structures and practices. The NRCS was
347 formerly the Soil Conservation Service or SCS.
348
- 349 22. NOAA ATLAS 14 means the rainfall frequency estimates for a specific
350 geographic locations which supercedes rainfall frequency estimates
351 contained in Type-II Distribution. All stormwater modeling shall be based
352 on these rainfall events.
353
- 354 23. OFF-SITE means located outside the property boundary described in the
355 permit application for land development activity or land disturbing
356 activity.
357
- 358 24. ON-SITE means located within the property boundary described in the
359 permit application for land development activity or land disturbing
360 activity.
361
- 362 25. P8 - URBAN CATCHMENT MODEL means a program for predicting
363 polluting particle assage thru pits, puddles, & ponds; prepared for IEP,
364 Inc.. & Narragansett Bay Project USEPA/RIDEM by William W. Walker,
365 Jr.
366
- 367 26. PARCEL means all contiguous lands under the ownership or control of a
368 landowner, land occupier or land user.
369
- 370 27. PEAK RUNOFF RATE means the maximum rate at which storm water is
371 discharged from a site as expressed in cubic feet per second.
372
- 373 28. PERMIT means a written authorization made to an applicant to conduct
374 land development or land disturbing activities.
375
- 376 29. PERMITTEE means any person to whom a permit is issued.
377
- 378 30. PERMIT ADMINISTRATION FEE means a sum of money paid by the
379 permit applicant for the purpose of recouping the expenses incurred by the
380 Town in administering the permit.
381
- 382 31. PERSON means any individual, corporation, partnership, joint venture,
383 agency, unincorporated association, municipal corporation, county or state

- 384 agency within Wisconsin, the Federal government or any combination
385 thereof.
- 386
- 387 32. PLAN COMMISSION means the body established under §62.23 (1), Wis.
388 Stats.
- 389
- 390 33. PRIORITY WATERSHED means the Kinnickinnic Priority Watershed of
391 Pierce and St. Croix Counties.
- 392
- 393 34. PUBLIC LANDS means all publicly owned lands which are subject to
394 regulation by the Town including, but not limited to:
- 395
- 396 a. All lands owned by the Town of River Falls.
- 397
- 398 b. All lands which are owned by another unit of government if that unit
399 of government or the development project is legally subject to erosion
400 and storm water runoff control by the Town under this chapter or by
401 reference under other ordinances.
- 402
- 403 35. REGIONAL POND means a storm water pond intended to serve multiple
404 parcels and or developments.
- 405
- 406 36. REMOVAL means cutting vegetation to the ground or stumps, complete
407 extraction or killing by spraying.
- 408
- 409 37. RETENTION means the permanent storage of storm water without
410 surface discharge.
- 411
- 412 38. RUNOFF means the same as the definition for “storm water runoff.
- 413
- 414 39. SAFE CAPACITY means the rate of flow that can be handled by the
415 receiving waterway without causing flooding or erosion damage.
- 416
- 417 40. SEDIMENT means solid material, both mineral and organic, that has been
418 deposited by water, is in suspension in water, is being transported, has
419 been removed from its site of origin by the processes of soil erosion or is
420 discharged into surface waters from other sources.
- 421
- 422 41. SEDIMENTATION means settling or deposition of sediment.
- 423
- 424 42. SENSITIVE RESOURCES means natural resources that are sensitive to
425 the impacts of urbanization, specifically including ground water, cold-
426 water springs, wetlands with diverse functions and values and other
427 unique resources.
- 428
- 429 43. SITE RESTRICTION means any physical characteristic which limits the
430 use of storm water best management practice as prescribed in the

- 431 Wisconsin Storm Water Manual published by the Wisconsin Department
432 of Natural Resources.
433
- 434 44. STOP WORK ORDER means a method of giving notice to the permittee
435 that one or more provisions of this chapter have been violated.. Notice is
436 given both by posting upon the lands where the disturbing activity occurs
437 one or more copies of a poster stating the violation and by mailing a copy
438 of this poster by certified mail to the permittee at the address shown on the
439 permit.
440
- 441 45. STORM SEWER means a closed conduit for conducting collected storm
442 water.
443
- 444 46. STORM WATER DRAINAGE SYSTEM OR DRAINAGE SYSTEM
445 means all facilities used for conducting runoff to, through or from a
446 drainage area to the point of final outlet including, but not limited to, any
447 of the following: conduits and appurtenant features, canals, channels,
448 ditches, streams, culverts, reservoirs, detention basins, storm sewers,
449 streets and pumping stations.
450
- 451 47. STORM WATER PLAN means a document that identifies what actions
452 will be taken to reduce storm water quantity, volume, pollutant loads,
453 thermal increases to the receiving stream and/or erosion resulting from
454 land development activity to levels meeting the purpose and intent of this
455 ordinance and the Water Management Plan.
456
- 457 48. STORM WATER RUNOFF means that portion of the precipitation falling
458 during a rainfall event, or that portion of snowmelt, that runs off the
459 surface of the land and into the natural or artificial conveyance or drainage
460 network.
461
- 462 49. TOWN means the Town of River Falls and its representatives.
463
- 464 50. TOWN ENGINEER means the person or firm designated by the Town
465 Board to administer this chapter and includes any other person designated
466 by the Town Engineer or the Board in the absence of the Town Engineer.
467
- 468 51. TR-55 means the United States Department of Agriculture, Natural
469 Resources Conservation Service (previously Soil Conservation Service),
470 Urban Hydrology for Small Watersheds, Second Edition, Technical
471 Release 55, June 1986, updated May 2013.
472
- 473 52. WATERS OF THE STATE mean all lakes, bays, rivers, streams, springs,
474 ponds, wells, impounding reservoirs, marshes, watercourses, drainage
475 systems and other surface water or groundwater, natural or artificial,
476 public or private, within the state or its jurisdiction.

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53. WETLANDS means an area where water is at, near or above the land surface long enough to be capable of supporting aquatic or hydrophilic vegetation and which has soils indicative of wet conditions. These wetlands include natural, mitigation and restored wetlands.

54. WPDES STORM WATER PERMIT means a permit issued by the Wisconsin Department of Natural Resources under Wis. Stat. §283.31 that authorizes the point source discharge of storm water to waters of the state.

55. WATER MANAGEMENT PLAN means the City of River Falls Water Management Plan for the Kinnickinnic River and its Tributaries (April 20, 1995).

21.04 TECHNICAL STANDARDS

- (1) DESIGN CRITERIA, STANDARDS AND SPECIFICATIONS. All BMPs required to comply with this chapter shall meet the design criteria, standards and specifications based on the following. If technical standards contained in the following documents conflict, the governing document shall be determined based on the order presented. Those technical standards with the highest priority shall prevail. In determining priorities, Section 4.1.a. shall be deemed to have top priority followed by Section 4.1.b, then Section 4.1.c, with Section 4.1.d. having the lowest priority.
- (a) Applicable design criteria, standards and specifications identified in the Town of River Falls Storm Water Management Standards dated July 18, 2005 and on file in the Town Engineer’s Office or the Office of the Town Clerk.
 - (b) Applicable design criteria, standards, and specifications identified in the Wisconsin Department of Natural Resources Site Erosion and Sediment Control Technical Standards and the Post Construction Storm Water Management Technical Standards.
 - (c) Applicable design criteria, standards and specifications identified in the Wisconsin Construction Site Best Management Practice Handbook, WDNR Pub. WR-222 November 1993 Revision, and as subsequently revised.
 - (d) Applicable design criteria, standards and specifications identified in the Wisconsin Storm Water Manual, WDNR Pub. WR-349-94, 1994, including Technical Design Guidelines for Storm Water Management Practices, UW-Extension Pub. G3691, 2000.
 - (e) Other design guidance and technical standards identified or developed by the Wisconsin Department of Natural Resources under subchapter V of chapter NR 151, Wis. Adm. Code.

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- (2) OTHER STANDARDS. Other technical standards not identified or developed in sub. (1), but equivalent thereto, may be used provided that the methods have been approved by the Town Engineer.

21.05 PERMITTING REQUIREMENTS, PROCEDURES AND FEES

- (1) PERMIT APPLICATION AND FEE. Unless specifically excluded by this chapter, any land owner or operator required to obtain a permit under this chapter shall submit to the Town Engineer a permit application made on a form provided by the Town for that purpose.

- (a) Unless specifically excluded by this chapter, the following items must accompany a permit application before the permit application will be reviewed by the Town Engineer:

1. A storm water plan
2. A maintenance agreement
3. A non-refundable permit administration fee

- (b) The fees referred to in this chapter shall be as established by the Town Board from time to time by resolution. A schedule of the fees shall be available for review in the office of the Town Clerk.

- (c) The applicant for any permit shall pay a fee to the Town Clerk equal to the actual costs to the Town for the professional fees and disbursements incurred by the Town by reason of the review of the application and proposed use and improvements by any professional employees and consultants, including without limitation by way of enumeration, the planner, engineer, surveyor, attorney and any other professional employees or consultants hired by the Town with respect to consideration thereof. This shall include, without limitation by way of enumeration, the following:

1. Review of such application and proposed use and improvements and the plans therefore.
2. Inspection of the site and the improvements as and after such improvements are constructed.
3. Tests and other evaluations deemed necessary by such professional employees and consultants for their review and inspection.
4. Drafting and other preparation of any written opinions, advice and suggestions with respect thereto.

- 570 5. Drafting and preparation of any ordinances, resolutions, contracts,
571 agreements and other documents with respect thereto.
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- 573 6. Attendance at public meetings or hearings and telephone and actual
574 conferences.
575
- 576 7. Any other professional services and disbursements charged to the Town
577 which were necessitated by the submission and review of such application
578 and proposed use and improvements, and construction of improvements
579 and erosion and sediment control measures therein.
580
- 581 (d) At or prior to submission of any application for a permit that involves new
582 construction or an addition to an existing building or other structure, the
583 applicant or the applicant's representative shall deposit in escrow with the
584 Town Clerk the amount specified. Such specified fees will be set by the
585 Town Board from time to time. If the sum determined herein is inadequate or
586 excessive for anticipated expenses, the Town Board may increase or decrease
587 the required deposit at any time. Additionally, the Town may waive all or part
588 of the required escrow deposit to the extent that a determination on the
589 application will probably not include any of the employees, experts or tests
590 necessary to make a determination on the application. Should the Town board
591 thereafter determine that a greater escrow deposit is required up to the amount
592 required under this section, the applicant must pay the additional amount to
593 the Town Clerk within the time specified. Notice of the meeting for
594 consideration of the application shall be mailed to the applicant or applicant's
595 agent at least 5 days prior thereto. Upon final action on the application,
596 approval of all improvements and erosion and sediment control measures
597 required therein and a payment of all professional expenses incurred by the
598 Town, any balance in escrow shall be returned to the applicant. This shall not
599 prohibit the Town collecting any additional professional expenses
600 subsequently charged to the Town. The Town Board may agree in writing
601 with the owner of any premises generally leased to tenants to require less than
602 the foregoing escrow deposit from an existing or prospective tenant if such
603 owner in writing personally guarantees and provides satisfactory surety for
604 payment of any sums then or thereafter due to the Town which could have
605 been collected from a higher escrow deposit by such tenant.
606
- 607 (2) **STORM WATER PLAN REQUIREMENTS.** The storm water plan shall contain
608 any information the Town Engineer may need to evaluate the environmental
609 characteristics of the area affected by land development or land disturbing
610 activity, the pre- and post-development hydrology, the potential impacts of the
611 proposed activity upon the quality (including thermal) and quantity of storm water
612 discharges, the potential impacts upon water resources and drainage utilities, and
613 the effectiveness and acceptability of proposed storm water management
614 measures in meeting the technical and performance standards and other
615 requirements of this chapter. All site investigations, plans, designs, computations,

616 and drawings shall be certified by a licensed professional engineer to be prepared
617 in accordance with accepted engineering practice and requirements of this
618 chapter.

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620 (3) CONTENTS OF THE STORM WATER PLAN. The storm water plan shall
621 contain, at a minimum, the information required by the submittal checklist set
622 forth in the Storm Water Management Standards. In addition, the following
623 requirements apply as they further define the submittal requirements of the storm
624 water plan:

- 625
626 (a) A map or maps of existing site conditions at a scale not smaller than 1 inch
627 equals 100 feet showing:
- 628 1. Property lines and easements.
 - 629 2. Existing structures, roads, other paving or impervious cover, and
630 vegetative cover.
 - 631 3. Location of predominant soil types.
 - 632 4. Existing topography of the site and sufficient adjacent lands to indicate
633 site, location and existing drainage patterns, water courses, drainage pipes
634 or structures that may affect or be affected by the proposed land
635 development or land disturbing activity. This information shall be
636 presented on a topographic map having a contour interval not to exceed 2
637 feet.
 - 638 5. Limits of any natural wetland and/or the floodplain based on a 100-year
639 flood.

- 640
641
642
643 (b) A map or maps of final site conditions after completion of the land
644 development or land disturbing activity at a scale not smaller than 1 inch
645 equals 100 feet showing:
- 646 1. Erosion and Sediment Control.
 - 647 a. Location and dimensions of all proposed land development and land
648 disturbing activities, including excavation and fill areas, areas where
649 existing soil and/or vegetative cover is to be disturbed or removed and
650 areas where existing soil and/or vegetative cover is to be left
651 undisturbed.
 - 652 b. Location and dimensions of all temporary stockpile areas for
653 excavated or fill materials or topsoil.

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- 661 c. Areas to be sodded or seeded and mulched or otherwise stabilized with
662 vegetation or other permeable/protective cover, describing type of
663 final vegetative cover. Type and quantity of mulch or cover material
664 and method of anchoring shall be indicated, as well as seeding
665 mixtures and rates and lime and fertilizer application rates.
666
- 667 d. Location of all proposed best management practices, including but not
668 limited to silt fence, construction site entrances, temporary
669 sediment traps, bale checks, rip-rap, special restoration and/or shading
670 elements, infiltration basins, detention ponds, and retention ponds.
671
- 672 e. Description of interim and permanent stabilization practices, including
673 a practice implementation schedule. Site plans shall ensure that
674 existing vegetation is preserved where attainable and that disturbed
675 portions of the site are stabilized.
676
- 677 f. Stabilization of drainage ways.
678
- 679 g. Description of structural practices to divert flow away from exposed
680 soils, store flows or otherwise limit runoff and the discharge of
681 pollutants from the site.
682
- 683 h. Control of soil erosion from dirt stockpiles.
684
- 685 i. Installation of permanent stabilization practices as soon as possible
686 after final grading.
687
- 688 j. Minimization of dust to the maximum extent practicable.
689
- 690 k. Placement of velocity dissipation devices at discharge locations and
691 along the length of any outfall channel, as necessary, to provide a non-
692 erosive flow from the structure to a water course so that the natural
693 physical and biological characteristics and functions are maintained
694 and protected.
695

696 2. Post-Construction Storm Water Management

- 697
- 698 a. Flow path and direction for all storm water conveyance sections;
699
- 700 b. Post- construction drainage network including enough of the
701 contiguous properties to show runoff patterns onto, through, and from
702 the site;
703
- 704 c. Watershed boundaries used in hydrology and pollutant loading
705 calculations and any changes to lakes, streams, wetlands, channels,

- 706 ditches, and other watercourses on and immediately adjacent to the
707 site.
708
- 709 d. Estimated peak runoff rate(s) and normal 100-year water levels at each
710 point of discharge of surface runoff from the site, including applicable
711 assumptions and computations, consistent with the Performance
712 Standards set forth in Section 7.
713
- 714 e. Location, dimensions and description (including capacity) of all
715 channels, pipes, structures, basins or reservoirs or other conveyances
716 proposed to carry runoff to the nearest adequate outlet, including
717 applicable design assumptions and computations. The applicable
718 design discharge rate, in cubic feet per second, for each structure, pipe,
719 channel or conveyance and design flow velocity for all channels and
720 outlets shall be indicated.
721
- 722 f. Management of overland flow at all sites, unless otherwise
723 controlled by outfall controls.
724
- 725 3. Post-construction topography
726
- 727 a. Post-construction pervious areas including vegetative cover type and
728 condition.
729
- 730 b. Locations of maintenance easements specified in the maintenance
731 agreement.
732
- 733 c. Final proposed topography of the site at a contour interval not to
734 exceed 2 feet.
735
- 736 d. Limits of any natural wetland and/or the floodplain based on a 100-
737 year flood.
738
- 739 e. Finished grade of excavation and fill slopes.
740
- 741 f. Location, elevations and dimensions of proposed structures and paved
742 areas, and location and types of utilities to be installed.
743
- 744 g. Completed forms for erosion control, hydrology, hydraulics, water
745 quality, wetlands, thermal management, and pond maintenance per the
746 Storm Water Management Performance Standards.
747
- 748 h. Hydrology and pollutant loading computations as needed to show
749 compliance with performance standards. All major assumptions used
750 in developing input parameters shall be clearly stated. The geographic
751 areas used in making the calculations shall be clearly cross-referenced
752 to the required map(s).
753

- 754 i. Explanation of the provisions to preserve and use natural topography
755 and land cover features to minimize changes in peak flow runoff rates
756 and volumes to surface waters and wetlands.
757
- 758 j. Explanation of any restrictions on storm water management measures
759 in the development area imposed by wellhead protection plans and
760 ordinances.
761
- 762 4. A description and schedule of planned land disturbing activities and
763 corrective measures, including:
764
- 765 a. The name, address and telephone number of the land occupier and of
766 the party responsible for maintaining erosion and runoff control
767 structures.
768
- 769 b. A schedule indicating anticipated starting and completion dates of
770 each sequence of land disturbing activities and the anticipated date of
771 completion of erosion and runoff control measures and establishment
772 of final cover for each sequence or area.
773
- 774 c. Provisions for monitoring and short/long term maintenance of erosion
775 and runoff control measures and facilities, including easements.
776
- 777 d. Methods to prevent tracking of soil off the site and cleanup of adjacent
778 streets and roads.
779
- 780 (4) REVIEW AND APPROVAL OF PERMIT APPLICATION. The Town Engineer
781 shall review any permit application that is submitted with a storm water plan,
782 maintenance agreement and the required fee. The following approval procedure
783 shall be used:
784
- 785 (a) Accept all pre-application requests, and all permit applications that are
786 accompanied by the storm water plan and the required fee.
787
- 788 (b) Review all plans and permit applications received when accompanied with the
789 necessary information and the required fee in accordance with the following:
790
- 791 1. Within 30 business days of the receipt of a complete permit application,
792 including all items as required by the submittal checklist, the Town
793 Engineer shall inform the applicant in writing whether the application,
794 storm water plan, erosion checklist and maintenance and monitoring
795 agreement are approved or disapproved. The Town Engineer shall base
796 the decision on requirements set forth in this chapter including, the
797 technical standards set forth herein.
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2. Failure by the Town Engineer to inform the permit applicant of a decision within 30 business days of a required submittal shall be deemed to mean approval of the submittal and the applicant may proceed as if a permit had been issued. If the applicant proceeds under this approval process, the applicant shall comply with the permit requirements in Section 4, Parts 5 and 6, as if a permit had been issued.
 3. Notify permit applicant in writing if additional information is required for review of the storm water plan.. If the required additional information is submitted, the Town Engineer shall have 15 business days from the date the information is received to inform the applicant that the storm water plan and maintenance and monitoring agreement are either approved or disapproved.
 4. Issue the permits required in accordance with the procedure as set out in this chapter, but only when the erosion, sedimentation and runoff will be controlled to meet the performance standards set forth herein. If the storm water permit application, storm water plan, and maintenance and monitoring agreement are approved, the Town Engineer shall issue a permit.
 5. If the proposed storm water plan is disapproved, inform the applicant in writing the reasons for disapproval.
 6. Keep an accurate record of all plan data accepted, plans approved, permits issued, inspections made and other official acts.
- (5) PERMIT CONDITIONS. All permits issued under this chapter shall be subject to the following conditions, and holders of permits issued under this chapter, and permit applicants proceeding as if a permit had been issued under the approval process provided in this chapter, shall be deemed to have accepted these conditions. The Town Engineer may suspend or revoke a permit condition, following written notification of the permittee. An action by the Town Engineer to suspend or revoke this permit may be appealed in accordance with the provisions of this section.
- (a) Compliance with this permit does not relieve the permit holder of the responsibility to comply with all other applicable Federal, State, and local laws and regulations.
 - (b) The permit holder shall design, install and implement all structural and non-structural storm water management practices in accordance with the approved storm water plan, Technical Standards set forth in Section 21.04 of the General Code, and the Performance Standards set forth in Section 21.07 of the General Code and this permit, prior to commencing any land development or land disturbing activity.

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- (c) The permit holder shall notify the Town Engineer at least 5 business days before commencing any work in conjunction with the storm water plan and within 5 business days after completion of the storm water practices. If required as a special condition, the permit holder shall make additional notifications according to a schedule set forth by the Town Engineer so that storm water management facility installations can be inspected during construction.
- (d) Infrastructure required as part of this ordinance shall be certified “as built” by a licensed professional engineer other than the Town Engineer. Completed storm water management practices which must shall pass a final inspection by the Town Engineer to determine if they are in accordance with the approved storm water plan and this chapter. The Town Engineer shall notify the permit holder in writing of any changes required in such practices to bring them into compliance with the conditions of this permit. The Town Engineer shall notify the permit holder when storm water management practices have passed final inspection.
- (e) The permit holder shall notify the Town Engineer of any modifications it intends to make to an approved storm water plan. The Town may require the proposed modifications be submitted for approval prior to incorporation into the storm water plan and execution.
- (f) The permit holder shall maintain all storm water practices in accordance with the storm water plan until the practices either become the responsibility of the Town or are transferred to subsequent private owners as specified in the approved maintenance agreement.
- (g) The permit holder shall authorize the Town to perform any work or operations necessary to bring storm water measures into conformance with the approved storm water plan, and shall consent to a special assessment or charge against the property as provided under Wis. Stat. §§ 66.0627 or 66.0703 or to charging such costs against the financial guarantee posted in accordance with this chapter to cover the cost of such work or operations. The permit holder shall waive notice and hearing as provided by Wis. Stat. §66.0703(7)(b).
- (h) The permittee shall be responsible for maintaining all roads, road right-of-ways, streets, runoff and drainage facilities and drainage ways as specified in the approved storm water plan until they are accepted and become the responsibility of a governmental entity.
- (i) The permittee shall provide and install at its expense all drainage, runoff control and erosion control improvements as required by this chapter and the approved storm water plan, and also shall bear its proportionate share of the total cost of off-site improvements to drainage systems based upon the

891 existing developed drainage area or planned development of the drainage area,
892 as determined by the Town Engineer.

893
894 (j) A copy of the storm water plan shall be available at the job site when land
895 development or land disturbing activities are in progress.

896
897 (k) The permittee shall inspect, or cause to be inspected, the BMPs within 24
898 hours after each rain of 0.5 inches or more which results in runoff during
899 active construction periods, and at least once each week, make needed repairs
900 and document the findings of the inspections in a site erosion control log with
901 the date of inspection, the name of the person conducting the inspection, and a
902 description of the present phase of the construction at the site.

903
904 (l) If so directed by the Town Engineer, the permit holder shall repair, at the
905 permit holder's own expense, all damage to adjoining properties, municipal
906 facilities and storm water drainage systems caused by storm water runoff,
907 where such damage is caused by activities not in compliance with the
908 approved storm water plan.

909
910 (m) The permit holder shall allow the Town Engineer access to the property for
911 the purpose of inspecting the property for compliance with the approved storm
912 water plan and this permit.

913
914 (n) If an approved storm water plan involves changes in direction of runoff,
915 changes the post-development hydrology, increases the peak rate and/or total
916 volume of runoff, the sediment loading and/or thermal pollution from a site,
917 the Town Engineer may require the permittee to make appropriate legal
918 arrangements with adjacent property owners concerning the prevention of
919 endangerment to property or public safety.

920
921 (o) The permit holder is subject to the enforceable actions of this chapter if the
922 permit holder fails to comply with the terms of this permit.

923
924 (6) PERMIT DURATION

925
926 (a) If the Town Engineer has notified the permit holder that all storm water
927 practices have passed the final inspection as required under this ordinance,
928 then the permit expires upon notification by the Town Engineer.

929
930 (b) The Town Engineer may extend an existing permit if continuous progress is
931 being made by the applicant towards completion of storm water practices.

932
933 (7) APPEALS. Appeals shall be made in the form of a written document to the
934 Board of Appeals. Upon receipt of the appeal, the Board of Appeals shall:

935

- 936 (a) Hear and decide appeals where it is alleged that there is error in any order,
937 requirement, decision or determination made by the Town Engineer in
938 administering this chapter.
939
- 940 (b) Authorize upon appeal in specific cases such variances from the terms of this
941 chapter as will not be contrary to the public interest, where owing to special
942 conditions a literal enforcement of the provisions of this chapter will result in
943 practical difficulty or unnecessary hardship, so that the spirit of this chapter
944 shall be observed, public safety and welfare secured and substantial justice
945 done.
946
- 947 (c) The rules, procedures, duties and powers of the Board of Appeals shall apply
948 to this chapter.
949

950 **21.06 MAINTENANCE AND MONITORING AGREEMENTS**

- 951
- 952 (1) **MAINTENANCE AND MONITORING AGREEMENT REQUIRED.** The
953 maintenance and monitoring agreement required for storm water management
954 practices under this chapter shall be an agreement between the Town and the
955 permittee to provide for both short term and long term maintenance and
956 monitoring of storm water management practices.
957
- 958 (a) The Maintenance and Monitoring Agreement shall provide for short-term
959 maintenance and monitoring of storm water management practices necessary
960 to maintain temporary drainage and erosion control measures and to establish
961 permanent drainage and erosion control measures. Short-term maintenance
962 provisions are generally those that do not continue in perpetuity.
963
- 964 (b) The Maintenance and Monitoring Agreement may provide for long-term
965 maintenance and monitoring of storm water practices that continue in
966 perpetuity. Such long-term maintenance will be required where the storm
967 water practice serves an individual landowner or organized group of
968 landowners. Agreements with long-term maintenance provisions shall be
969 recorded with the County Register of Deeds and shall be binding upon all
970 subsequent owners of land served by the storm water management practices.
971
- 972 (2) **MONITORING REQUIREMENTS.** Storm water facilities shall be monitored in
973 accordance with the storm water plan, the conditions of the permit and the
974 maintenance and monitoring agreement. Monitoring shall verify whether or not
975 the practice is functioning as designed. Monitoring may include, but may not be
976 limited to, quality, temperature and quantity of runoff.
977
- 978 (3) **AGREEMENT PROVISIONS.** The maintenance and monitoring agreement shall
979 contain the following information and provisions:
980

- 981 (a) Identification of the storm water facilities and designation of the drainage area
982 served by the facilities.
983
- 984 (b) A schedule for regular maintenance and monitoring of each aspect of the
985 storm water management system consistent with the storm water plan.
986
- 987 (c) Identification of the landowner(s), organization, or municipality responsible
988 for long-term maintenance and monitoring of the storm water practices.
989
- 990 (d) Commit the landowner(s), organization, or municipality to maintain and
991 monitor storm water practices in accordance with the schedule included in the
992 agreement.
993
- 994 (4) ADMINISTRATION. The Town Engineer is authorized to enforce the
995 maintenance and monitoring agreement.
996
- 997 (a) The Town Engineer is authorized to access the property to conduct
998 inspections and monitor the storm water practices as necessary to ascertain
999 that the practices are being maintained and operated in accordance with the
1000 agreement.
1001
- 1002 (b) The Town Engineer shall maintain public records of the results of the site
1003 inspections, shall inform the landowner responsible for maintenance of the
1004 inspection results, and shall specifically indicate any corrective actions
1005 required to bring the storm water management practice into proper working
1006 condition.
1007
- 1008 (c) If the Town Engineer notifies the party designated under the maintenance
1009 and monitoring agreement of maintenance or monitoring problems that
1010 require correction, the party shall take the specific actions within a reasonable
1011 time as set.
1012
- 1013 (d) The Town is authorized to perform the corrective actions identified in the
1014 inspection report if the landowner does not make the required corrections in
1015 the specified time period. The Town shall initiate proceedings to impose the
1016 cost as a special assessment or charge against the property pursuant to Wis.
1017 Stat. §66.0627 or §66.0703 or to charge the cost against the financial
1018 guarantee posed under Section 7 of this chapter.
1019

1020 **21.07 PERFORMANCE STANDARDS.** Unless the Town Engineer gives prior written
1021 authorization, the methods in conformance with the Technical Standards shall be
1022 followed.
1023

1024 (1) **GENERAL REQUIREMENTS FOR STORM WATER MANAGEMENT**
1025 **MEASURES.** The following shall be observed in managing storm water runoff:
1026

- 1027 (a) Natural topography and land cover features such as natural swales, natural
1028 depressions, native soil infiltrating capacity, and natural groundwater recharge
1029 areas shall be preserved and used, to the extent possible, to meet the
1030 requirements of this chapter.
1031
- 1032 (b) Emergency overland flow for all storm water facilities shall be provided
1033 during and after construction to prevent exceeding the safe capacity of
1034 downstream drainage facilities and prevent endangerment of downstream
1035 property or public safety.
1036
- 1037 (c) All storm water rate control facilities shall be located within drainage, utility
1038 and/or flowage easements to provide access and to prevent future alteration or
1039 encroachment.
1040
- 1041 (d) Water quality facilities are required for all developments unless a
1042 development is part of a Town approved regional pond drainage area.
1043
- 1044 (e) All hydrologic data shall be submitted to the Town Engineer. Data shall be
1045 obtained using NRCS methodology including, but not limited to, HydroCad or
1046 TR20/TR55 as defined by the NRCS.
1047
- 1048 (f) Hydrologic analysis shall be based on NRCS methods using a NOAA Atlas 14
1049 storm distribution, 24-hour duration, and average soil moisture conditions
1050 (AMC-2), as defined by NRCS.
1051
- 1052 (g) Hydraulic calculations will be accepted in the Rational Method format or in
1053 commonly used software packages such as HydroCAD or XP-SWMM.
1054
- 1055 (h) Where appropriate, the plan shall include sediment controls to do all of the
1056 following to the maximum extent practicable:
1057
- 1058 1. Prevent tracking of sediment from the construction site onto roads and
1059 other paved surfaces.
1060
 - 1061 2. Prevent the discharge of sediment as part of site de-watering.
1062
 - 1063 3. Protect the separate storm drain inlet structure from receiving sediment.
1064
- 1065 (i) The use, storage and disposal of chemicals, cement and other compounds and
1066 materials used on the construction site shall be managed during the
1067 construction period, to prevent their entrance into waters of the state.
1068 However, projects that require the placement of these materials in waters of
1069 the state, such as constructing bridge footings or BMP installations, are not
1070 prohibited by this paragraph.
1071

- 1072 (2) PEAK DISCHARGE RATE AND VOLUME. By design, BMPs shall be
 1073 employed to meet the following performance standards.
 1074
- 1075 (a) For a 1.5-inch rainfall event the proposed post-development runoff volume
 1076 and peak flow rate must not exceed the runoff volume and peak flow rate for
 1077 pre- development land use conditions. Post-development runoff volume
 1078 discharged at a rate less than 0.006 cubic feet per second per acre of
 1079 contributing watershed, and after the peak discharge has occurred, may be
 1080 excluded from the computation of post-development runoff volume.
 1081
- 1082 (b) For the 2-year, 10-year and 100-year rainfall event: the post-development
 1083 peak flow rate shall not exceed the peak flow rate for pre-development land
 1084 use conditions.
 1085
- 1086 (c) Pre-development conditions shall assume “good hydrologic conditions for
 1087 appropriate land covers as identified in TR-55 or an equivalent methodology.
 1088 The meanings of “hydrologic soil group” and “runoff curve number” are as
 1089 determined in TR-55. However, when pre-development land cover is
 1090 cropland, rather than using TR-55 values for cropland, the runoff curve
 1091 numbers in Table 1 shall be used.
 1092

<u>Table 1</u>				
<u>Maximum Pre-Development Runoff Curve Numbers</u>				
<u>Hydrologic Soil Group</u>	<u>A</u>	<u>B</u>	<u>C</u>	<u>D</u>
<u>Cropland Curve Number</u>	<u>55</u>	<u>69</u>		<u>83</u>
<u>Grassland Curve Number</u>	<u>39</u>	<u>61</u>	<u>71</u>	<u>78</u>
<u>Woodland Curve Number</u>	<u>30</u>	<u>55</u>	<u>70</u>	<u>77</u>

- 1093
- 1094 (3) INFILTRATION PRACTICES. BMPs shall be designed, installed, and
 1095 maintained to infiltrate runoff to meet the runoff rate and volume requirements
 1096 where Hydrologic Group A or B soils exist.
 1097
- 1098 (a) Where infiltration practices will be used the location, surface area, depth, soil
 1099 types (hydrologic group) and infiltration rate and volume computations shall
 1100 be submitted to the Town Engineer.
 1101
- 1102 (b) Pre-development condition shall be the same as in par. 2(c) above.
 1103
- 1104 (c) Before infiltrating runoff, pretreatment shall be required for parking lot runoff
 1105 and for runoff from new road construction in commercial, industrial and
 1106 institutional areas that will enter an infiltration system. The pretreatment shall
 1107 be designed to protect the infiltration system from clogging prior to scheduled
 1108 maintenance and to protect groundwater quality. Pretreatment options may
 1109 include, but are not limited to, oil/grease separation, sedimentation,
 1110 biofiltration, filtration, swales or filter strips.
 1111

- 1112 (d) Exclusions. The runoff from the following areas are prohibited from meeting
1113 the requirements of this paragraph:
1114
- 1115 1. Areas associated with tier 1 industrial facilities identified in §NR 216.
1116 21(2)(a), Wis. Adm. Code, including storage, loading, rooftop and
1117 parking.
1118
 - 1119 2. Storage and loading areas of tier 2 industrial facilities identified in §NR
1120 216.21(2)(b), Wis. Adm. Code.
1121
 - 1122 3. Fueling and vehicle maintenance areas.
1123
 - 1124 4. Areas within 1000 feet up gradient or within 100 feet down gradient of
1125 karst features.
1126
 - 1127 5. Areas with less than 3 feet separation distance from the bottom of the
1128 infiltration system to the elevation of seasonal high groundwater or the top
1129 of bedrock.
1130
 - 1131 6. Areas with runoff from industrial, commercial and institutional parking
1132 lots and roads and residential arterial roads with less than 5 feet separation
1133 distance from the bottom of the infiltration system to the elevation of
1134 seasonal high groundwater or the top of bedrock.
1135
 - 1136 7. Areas within 400 feet of a community water system well as specified in
1137 §NR 811. 16(4), Wis. Adm. Code, or within 100 feet of a private well as
1138 specified in s. NR 812. 08(4), Wis. Adm. Code, for runoff infiltrated from
1139 commercial, industrial and institutional land uses or regional devices for
1140 residential development.
1141
 - 1142 8. Areas where contaminants of concern, as defined in §NR 720. 03(2),
1143 Wis. Adm. Code is present in the soil through which infiltration will occur.
1144
 - 1145 9. Any area where the soil does not exhibit one of the following soil
1146 characteristics between the bottom of the infiltration system and the
1147 seasonal high groundwater and top of bedrock: at least a 3-foot soil layer
1148 with 20 percent fines or greater; or at least a 5-foot soil layer with 10
1149 percent fines or greater. This does not apply where the soil medium
1150 within the infiltration system provides an equivalent level of protection.
1151
- 1152 (e) Where alternate uses of runoff are employed, such as for toilet flushing,
1153 laundry or irrigation, such alternate use shall be given equal credit toward the
1154 infiltration volume required by this paragraph.
1155
- 1156 (f) Infiltration systems designed in accordance with this paragraph shall, to the
1157 extent technically and economically feasible, minimize the level of pollutants
1158 infiltrating to groundwater and shall maintain compliance with the preventive

1159 action limit at a point of standards application in accordance with ch. NR 140,
1160 Wis. Adm. Code. However, if site specific information indicates that
1161 compliance with a preventive action limit is not achievable, the infiltration
1162 BMP may not be installed or shall be modified to prevent infiltration to the
1163 maximum extent practicable.

1164

1165 (g) Notwithstanding the above, the discharge from BMPs shall remain below the
1166 enforcement standard at the point of standards application.

1167

1168 (h) Assumed site infiltration rates shall be validated by the provisions of
1169 Wisconsin DNR Conservation Practice Standard #1002 Site Evaluation for
1170 Stormwater Infiltration.

1171

1172 (4) FUELING AND VEHICLE MAINTENANCE AREAS. Fueling and vehicle
1173 maintenance areas shall, to the maximum extent practicable, have BMPs
1174 designed, installed and maintained to reduce petroleum within runoff, such that
1175 the runoff that enters waters of the State contains no visible petroleum sheen.

1176

1177 (5) TOTAL SUSPENDED SOLIDS. BMPs shall be designed, installed and
1178 maintained to control total suspended solids carried in runoff from the post-
1179 construction site as follows:

1180

1181 (a) For new development, by design, reduce to the maximum extent practicable,
1182 the total suspended solids load by 85%, based on the average annual rainfall,
1183 as compared to no runoff management controls.

1184

1185 (b) For redevelopment, by design, reduce to the maximum extent practicable, the
1186 total suspended solids load by 40%, based on the average annual rainfall, as
1187 compared to no runoff management controls. A 40% total suspended solids
1188 reduction shall meet the requirements of this subdivision.

1189

1190 (c) All water quality analyses shall be based on the P8 Urban Catchment Model,
1191 or WinSLAMM, or other comparable model as approved by the Town
1192 Engineer..

1193

1194 (d) For this chapter, the average annual rainfall shall be consistent with NOAA
1195 Atlas 14.

1196

1197 **21.08 FINANCIAL GUARANTEE**

1198

1199 (1) ESTABLISHMENT OF THE GUARANTEE. The Town Engineer shall require
1200 the submittal of a financial guarantee, the form and type of which shall be
1201 acceptable to the Town Engineer, Town Attorney and Town Board. The financial
1202 guarantee shall be in an amount determined by the Town Board to be equal to the
1203 estimated cost of construction and the estimated cost of maintenance and
1204 monitoring during the period which the designated party in the maintenance and

1205 monitoring agreement has maintenance and monitoring responsibility.. The
1206 financial guarantee shall give the Town Board the authorization to use the funds
1207 to complete the project or to fulfill maintenance and monitoring requirements if
1208 the landowner defaults or does not properly implement the approved storm water
1209 plan or fails to perform required maintenance and/or monitoring responsibilities.
1210

1211 (2) CONDITIONS FOR RELEASE. Conditions for the release of the financial
1212 guarantee are as follows:

1213

1214 (a) In consultation with the Town Engineer, the Town Board shall release the
1215 portion of the financial guarantee established to assure installation of storm
1216 water practices, minus any costs incurred by the Town to complete the project,
1217 upon submission and approval of “as built plans” by a licensed professional
1218 engineer. The Town Board may make provisions for a partial pro- rata release
1219 of the financial guarantee based on the completion of various development
1220 stages.

1221

1222 (b) The Town Board shall release the portion of the financial guarantee
1223 established to assure maintenance and monitoring of storm water practices,
1224 minus any costs incurred by the Town, at such time that the responsibility for
1225 such maintenance and monitoring is assumed by another entity through an
1226 approved maintenance and monitoring agreement.

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1229 **21.09 COMPLIANCE ENFORCEMENT**

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1231 (1) Any land development or land disturbing activity initiated after the effective date
1232 of this chapter by any person, firm, association or corporation subject to the
1233 chapter provisions shall be deemed a violation unless conducted in accordance
1234 with said provisions.

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1236 (2) The Town Engineer shall investigate and take action on all complaints made in
1237 regard to the application of this chapter. The Town Engineer is authorized to
1238 enter upon any public or private lands affected by this chapter to inspect the land
1239 prior to permit issuance for the purpose of determining whether to approve the
1240 plan and after permit issuance to determine compliance with this chapter. If
1241 permission to enter is denied prior to permit issuance the land development or
1242 land- disturbing activity that is the subject of the permit shall not occur. Following
1243 permit issuance, if permission cannot be received from the land occupier or land
1244 user, entry by the Town Engineer shall be pursuant to Wis. Stat. §66.0119.

1245

1246 (3) The Town Engineer shall notify the responsible owner or operator by personal
1247 service or certified mail of any non-complying land development or land
1248 disturbing activity. The notice shall describe the nature of the violation, remedial
1249 actions needed, a schedule for remedial action and additional enforcement action
1250 that may be taken.

- 1251
1252 (4) Upon receipt of written notification from the Town Engineer, the permit holder
1253 shall correct work that does not comply with the storm water plan or other
1254 provisions of the permit. The permit holder shall make corrections as necessary
1255 to meet the specifications and time schedule set forth by the Town Engineer in the
1256 notice. This provision also applies to land development or land disturbing
1257 activities that commenced under the approval process provided herein without
1258 obtaining a permit.
1259
- 1260 (5) The Town Engineer may revoke a permit issued under this chapter for non-
1261 compliance with chapter provisions. Any such revocation shall be subject to the
1262 provisions of Wis. Stat. Chapter 68. Any permit granted under this chapter may
1263 be revoked if the holder of the permit has misrepresented any material fact in the
1264 permit application or plan; or has failed to comply with the plan as originally
1265 approved or as modified in writing subsequently by the Town Engineer; has
1266 violated any provision of this chapter; or has violated any of the other conditions
1267 of the permit as issued to the applicant..
1268
- 1269 (6) Any permit revocation, stop-work order, or cease and desist order shall remain in
1270 effect unless retracted by the Board of Appeals, the Town Engineer or by a court
1271 of competent jurisdiction.
1272
- 1273 (7) The Town Engineer is authorized to post a stop-work order upon any land
1274 development or land disturbing activity in violation of this chapter. The Town
1275 Engineer shall supply a copy of each stop-work order to the Town Attorney. In
1276 lieu of the stop-work order, the Town Engineer may issue a written cease and
1277 desist order to any land occupier or land user whose activity is in violation of this
1278 chapter. These orders shall specify that the activity must be ceased or brought
1279 into compliance with the ordinance within 10 calendar days. Any such stop-work
1280 order or cease and desist order shall be subject to Chapter 68, Wis. Stats.
1281
- 1282 (8) Every violation of this chapter is a public nuisance. To the extent permitted by
1283 law, compliance with this chapter may be enforced by injunction pursuant to Wis.
1284 Stat. §62.23(8) in so far as the same are applicable.
1285
- 1286 (9) When the Town Engineer determines that the holder of a permit issued pursuant
1287 to this ordinance has failed to follow practices set forth in the Technical Standards
1288 or has failed to comply with schedules set forth in said storm water plan, the
1289 Town Engineer, or a party designated by the Town Engineer may enter upon the
1290 land and perform the work or other operations necessary to bring the condition of
1291 said lands into conformance with requirements of the approved plan. The Town
1292 Engineer shall keep a detailed accounting of all costs and expenses of performing
1293 such work. These costs and expenses shall be deducted from any financial
1294 security posted pursuant to this ordinance. Where such a security has not been
1295 established, or where such a security is insufficient to cover these costs, the costs

1296 and expenses shall be imposed as a special assessment or charge pursuant to Wis.
1297 Stat. §66.0627 or §66.0703.

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1299 **21.10 PENALTY.** Except as otherwise provided, any person found to be in violation of
1300 any provisions of this chapter shall be subject to a penalty as provided in Section 25.04 of
1301 the General Code.

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