

STORMWATER POLLUTION PREVENTION PLAN
PERMIT REQUIREMENTS BY ULSTER COUNTY

(ACCESS FROM COUNTY ROAD)

The designer/developer shall submit 1 (one) complete copy of the Stormwater Pollution Prevention Plan (SWPPP) to the Ulster County Stormwater Management Specialist (SWMS) for review. To expedite the permit procedure, it is recommended to schedule a meeting with the Ulster County Stormwater Management Specialist (SWMS)

Miklos Rudnay, CPESC, CPSWQ
Stormwater Management Specialist
Ulster County, Department of Public Works
317 Shamrock Lane, Kingston, NY 12401;
Ph #: (845)340-3123

prior to the submittal of a SWPPP to Ulster County.

The designer of a development should consider the following principle requirements during the design and the implementation of a Stormwater Pollution Prevention Plan (SWPPP):

1. Satisfy all the requirements of the SPDES permit(s) for Construction Activities and for MS4 (where it is applicable)
2. Show the MS4 boundary line on the plans (where it is applicable)
3. Only stormwater can be discharged to the county drainage system
4. Determine the acreage of the proposed land disturbance
5. Provide construction sequence and phasing (the latter is needed only for 5 acres or more land disturbance)
6. Based on the SPDES requirements submit the Erosion and Sediment Control (ESC) Plans or the full SWPPP as needed
7. As a design principle, the post-development stormwater discharge cannot exceed the pre-development conditions at any design point along the perimeter of the property. For easy comparison, prepare a summary table for the pre- and post-development stormwater discharges for the 1 year (C_{p_v}), 10 year (Q_p), and the 100 year (Q_f) design conditions
8. The county right-of-way and drainage system should be shown on the plan along the entire frontage of the property
9. If any part of the county drainage system will be used by the developer, show the direction of flow (including elevations and slopes) within the county right-of-way from the discharge point to the point where the stormwater from the development will leave the county right-of-way. Both the inflow and outflow locations shall be mapped by the designer using GPS or standard survey methods and will be provided to the Ulster County SWMS.
10. In case any alteration of the existing county drainage system is necessary (i.e., culvert size increase), an explanation of the necessity of the change and a relevant

hydraulic calculation should be submitted to justify the alteration of the drainage feature(s) within the county right-of-way

11. Check the capacity of the existing culvert pipe(s) you want to use under the county road. In case any new culvert pipe is needed, size the pipe for the 25 year storm (Q_{25}) and obtain all necessary easements and permits along the water course on the downstream side of the culvert
12. Check the capacity of the county ditch line if any part of this ditch line is used in the design. If a new ditch line is proposed, size it to the 10 year storm (Q_p)
13. The applicant is responsible for the design, construction, and maintenance of the drainage appurtenances necessary to be built or altered because of the proposed development
14. It is the applicant's responsibility to correct erosion problems during and after the construction. The erosion and sediment devices cannot be removed before the final stabilization of the disturbed land
15. The applicant is responsible for the design, replacement and/or installation of the necessary drainage appurtenances if the proposed drainage system, for any reason and any level, adversely affects the existing county drainage system or the water course on the downstream side of the culvert
16. Use standard symbols for stormwater management practices
17. Provide stabilized construction entrance(s) and show its location on the ESC plan.

The owner or contractor shall not commence construction activity until an access permit issued by Ulster County Department of Public Works goes into effect.

David A. Sheeley
Commissioner
County of Ulster
Department of Public Works

County of Ulster
Department of Public Works



David A. Sheeley
Commissioner

March 7, 2008

Page 1 of 2

STORMWATER POLLUTION PREVENTION PLAN
PERMIT REQUIREMENTS BY ULSTER COUNTY

**(NO ACCESS FROM COUNTY ROAD
BUT DRAINS DIRCTLY TO THE COUNTY DRAINAGE SYSTEM)**

In accordance with the regulations of New York's State Pollutant Discharge Elimination System (SPDES) permits Ulster County is required to review all SWPPPs with proposed land disturbance of 1 acre or more which discharge stormwater directly into the county drainage system within the MS4 area.

To comply with the regulations above, the designer/developer shall submit 1 (one) complete copy of the Stormwater Pollution Prevention Plan (SWPPP) to the Ulster County Stormwater Management Specialist (SWMS) for review. To expedite the permit procedure, it is recommended to schedule a meeting with the Ulster County SWMS

Miklos Rudnay, CPESC, CPSWQ
Stormwater Management Specialist
Ulster County, Department of Public Works
317 Shamrock Lane, Kingston, NY 12401;
Ph #: (845)340-3123

prior to the submittal of a SWPPP to Ulster County.

The designer of a development should consider the following principle requirements during the design and the implementation of a Stormwater Pollution Prevention Plan (SWPPP):

1. Satisfy all the requirements of the SPDES Permit(s) for Construction Activities and for MS4
2. Show the MS4 boundary line on the plans (where it is applicable)
3. Only stormwater can be discharged to the county drainage system
4. Determine the acreage of the proposed land disturbance
5. Provide construction sequence and phasing (the latter is needed only for 5 acres or more land disturbance)
6. Based on the SPDES requirements submit the Erosion and Sediment Control (ESC) Plans or the full SWPPP as needed

7. As a design principle, the post-development stormwater discharge cannot exceed the pre-development conditions at any design point along the perimeter of the property. For easy comparison, prepare a summary table for the pre- and post-development stormwater discharges for the 1 year (C_p), 10 year (Q_p), and the 100 year (Q_f) design conditions
8. The county right-of-way and drainage system should be shown on the plan along the entire frontage of the property
9. If any part of the county drainage system will be used by the developer, show the direction of flow (including elevations and slopes) within the county right-of-way from the discharge point to the point where the stormwater from the development will leave the county right-of-way. Both the inflow and outflow locations shall be mapped by the designer using GPS or standard survey methods and will be provided to the Ulster County SWMS.
10. In case any alteration of the existing county drainage system is necessary (i.e., culvert size increase), an explanation of the necessity of the change and a relevant hydraulic calculation should be submitted to justify the alteration of the drainage feature(s) within the county right-of-way
11. Check the capacity of the existing culvert pipe(s) you want to use under the county road. In case any new culvert pipe is needed, size the pipe for the 25 year storm (Q_{25}) and obtain all necessary easements and permits along the water course on the downstream side of the culvert
12. Check the capacity of the county ditch line if any part of this ditch line is used in the design. If a new ditch line is proposed, size it to the 10 year storm (Q_p)
13. The applicant is responsible for the design, construction, and maintenance of the drainage appurtenances necessary to be built or altered because of the proposed development
14. It is the applicant's responsibility to correct erosion problems during and after the construction. The erosion and sediment devices cannot be removed before the final stabilization of the disturbed land
15. The applicant is responsible for the design, replacement and/or installation of the necessary drainage appurtenances if the proposed drainage system, for any reason and any level, adversely affects the existing county drainage system or the water course on the downstream side of the culvert
16. Use standard symbols for stormwater management practices

David A. Sheeley
Commissioner
Ulster County
Department of Public Works