

APPENDIX A
ENFORCEMENT RESPONSE PLAN

Appendix A

Town of Nolensville Phase II MS4 Permit TNS077801

Enforcement Response Plan

Section 8.C of the Town of Nolensville's (Town) Storm Water Management Regulations (Regulations) refers to an enforcement response plan (ERP) that will be applied to chronic violators of the Town's Regulations. An ERP is required by the Town's Phase II MS4 Permit. The plan must set out the Town's potential responses to violations and address repeat violations through progressive enforcement as needed to achieve compliance.

The Town shall have the authority to issue notices of violation and citations, and to impose civil penalties as provided in the Enforcement Response Plan. Measures authorized include:

- (a) Verbal Warnings – As minimum, verbal warnings must specify the nature of the violation and required corrective action.
- (b) Written Notices – Written notices must stipulate the nature of the violation and required corrective action, with deadlines for taking such action.
- (c) Citations with Administrative Penalties – The Town has the authority to assess monetary penalties, which may include civil and administrative penalties.
- (d) Stop Work Orders – Stop work orders that require construction activities to be halted, except for those activities directed at cleaning up, abating discharge, and installing appropriate control measures.
- (e) Withholding of Plan Approvals or Other Authorizations – Where a facility is in noncompliance, the Town's own approval process affecting the facility's ability to discharge to the MS4 can be used to abate the violation.
- (f) Additional Measures – The Town may also use other escalated measures provided under the Town's legal authorities. The Town may perform work necessary to improve erosion control measures and collect funds from the responsible party in an appropriate manner, such as collecting against the project's bond or directly billing the responsible party to pay for work and materials.

For violations of the Town's MS4 permit requirements and other applicable ordinances and regulations, the Town will assess the situation and make a determination of the appropriate action to remedy the violation. Depending on the nature of the violation the Town may require that qualified environmental personnel clean up a spill or perform the necessary work to remedy the violation. If so required, the Town will require work necessary to improve erosion or water quality control measures and collect the cost of such work from the responsible party. If the responsible party does not perform work in a timely manner, the Town will specify a timeline for

when the work shall be accomplished based on the existing circumstances and whether there is an immediate impact to waters of the state.

As stated in Section 9.3.D. of the Storm Water Ordinance; if the storm water management facility or storm water control measure is not in compliance with the permitting procedures and corrective action is not taken in time, the Town may take corrective measures to ensure compliance with the effective MS4 permit.

For chronic violators, the Town will pursue progressive enforcement, and, if necessary perform the necessary work to correct the violation and assess the owner the cost incurred for repairs.

The Town's ERP for enforcement of its storm water ordinance and other applicable regulations will be rational, fair and consistent in determining penalty amounts for storm water violations. The following information will be used as a basis for implementing the Town's Enforcement Response Plan.

Multi-day assessments are appropriate if the violation(s) continue after Town notification or issuance of a notice of violation (NOV) or the violation(s) result in ongoing environmental impacts.

Factors that will be considered to increase or decrease the penalty amount include:

- History of noncompliance
- Economic benefit of noncompliance (did it financially benefit the violator)
- Ability to pay
- Merits of case
- Resource consideration (waters of state/303d/high quality stream, etc.)

There may be instances when the Town may include but not limit enforcement discretion to conclude the violation is not worthy of a penalty. Some factors that may be considered include minor nature of the violation or a positive change in ownership (contractor).

The extent of the violation will be classified as major, moderate or minor. Major violations may include but not limited to appropriate permit(s) not obtained; numerous permit conditions are not being met; substantial damage to environmental resource (or potential for damage); illicit discharges; or potential for discharges to waters of the state.

Moderate violations may include but not limited to appropriate permit(s) not obtained but most permit requirements and permit conditions are being met; environmental resource is impacted moderately (or has the potential to be moderately impacted); SWPPP is less than 50% complete and/or not up to date; required visual monitoring or annual comprehensive site evaluation are not conducted properly; and construction activity disturbs an area greater than five acres for total plan of development.

Minor violations would include permit requirements and conditions are mostly in compliance (no discharge of sediment from site); appropriate permit(s) not obtained but permit requirements and conditions are being met; environmental resource is minimally impacted (or potential to be minimally impacted); SWPPP is less than 50% complete and/or not up to date; and construction activity that disturbs an area greater than an acre for total plan of development. An example penalty matrix is shown below.

Example Penalty Assessment Matrix

Potential for Harm To Environmental Resource	Extent of Violations		
	Major	Moderate	Minor
Major	\$3,000 to \$5,000	\$1,000 to \$3,000	\$50 to \$1,000
Moderate	\$2,000 to \$3,000	\$1,000 to \$2,000	\$50 to \$1,000
Minor	\$1,000 to \$2,000	\$500 to \$2,000	\$50 to \$100

An alternative or supplement to the above matrix would be a protocol that prescribes penalties based on whether a violation is the first, second, third, etc. The following are examples of this protocol.

Land Disturbing Activity Without Obtaining Necessary Permit(s)

- **First Offense:** stop work order; NOV; civil penalty equal to cost of permit (in addition to any other fees).
- **Second Offense:** stop work order; NOV; civil penalty of \$500 plus damages consisting of cost of the time spent enforcing and remediating the violation at an employee's hourly weighted rate.
- **Third or Subsequent Offense:** stop work order; NOV; civil penalty of \$1000 plus damages consisting of cost of the time spent enforcing and remediating the violation at an employee's hourly weighted rate.

Failure to Install, Maintain or Use Proper Construction Entrance (Tracking Mud on Street)

- **First Offense:** written warning with copies to general contractor and owner
- **Second Offense:** NOV to permit holder
- **Third or Subsequent Offense:** civil penalty of \$500 plus damages consisting of cost of the time spent enforcing and remediating the violation at an employee's hourly weighted rate.

Failure of the permit holder to aggressively remove any mud, debris or construction material that is deposited on a public road after receiving a written warning or a NOV will result in an additional civil penalty of \$250 per incident plus Town expenses if the Town uses their personnel to remove the mud, debris or construction material to protect the safety of the public.

Failure to Install, Maintain or Use Proper Structural Erosion or Sediment Controls (Resulting in Sediment Discharge)

- **First Offense:** written warning with copies to general contractor and owner; civil penalty for cost of damages if the Town is required to clean up the sediment discharged onto Town streets, ROW or storm water structures
- **Second Offense:** NOV; stop work order until necessary erosion and sediment controls are installed or maintenance completed; compliance order to submit self-inspection forms to Town on monthly basis; civil penalty for cost of damages if the Town is required to clean up the sediment discharged onto Town streets, ROW or storm water structures
- **Third Offense:** NOV; stop work order until necessary erosion and sediment controls are installed or maintenance completed; civil penalty of \$500 per discharge point; civil penalty for cost of damages if the Town is required to clean up the sediment discharged onto Town streets, ROW or storm water structures
- **Fourth or Subsequent Offense:** NOV; stop work order until necessary erosion and sediment controls are installed or maintenance completed; civil penalty of \$1000 per discharge point; civil penalty for cost of damages if the Town is required to clean up the sediment discharged onto Town streets, ROW or storm water

Failure to Properly Maintain Erosion Control Self Inspection Sheets and On-Site Erosion Control Plan

NOV and civil penalty of \$100 per inspection during which self-inspection sheets or up to date erosion control plans cannot be provided when requested by inspector.

Failure to Provide Final Stabilization

NOV and civil penalty of \$250 per day issued to owner for each day past issuance date of final certificate of occupancy.

Illicit Discharges (Significant Spills and Accidental Discharges of Materials)

The Town's MS4 permit requires that the Town develop a program for responding to; containing; and preventing spills and accidental discharges of materials that will adversely affect the MS4 system and receiving streams. *(Note: Section 4.2.3 of the permit states: "The MS4 shall foster interagency coordination of hazardous waste or material spills response and cleanup. The MS4 shall inform local spill-response agencies and/or TEMA of the potential negative impacts to surface water (and ground water) of spill clean-up activities, that is, the potential for response to cause pollutants to enter waters of the state.")*

Any incident involving a "significant" spill of materials posing a risk to the Town's MS4, waters of the state, or a threat to human health and the environment in which Town staff responds for site assessment, containment, remediation supervision and/or monitoring, will be regarded as an illicit discharge under Section 2.3 of the storm water ordinance. Town staff will have full control of the spill site and will direct clean up of the site and remediation of the spill and materials. Depending on the nature of the violation, the Town will require that qualified environmental personnel clean up a spill or perform the necessary work to remedy the violation.

For violations that impact waters of the state, the violator will be subject to a fine of up to \$5,000 and additional fines by TDEC depending on the nature of the violation such as whether the violation is minor, moderate, or major.

The Town will notify owners of adjacent properties or other impacted properties within 48 hours of first awareness of the spill or event excluding weekends.

The Town will issue a NOV for the spill or discharge of materials that adversely impacts the MS4 and receiving streams which will require the responsible party to submit a written report within thirty (30) days of the date the NOV is received by the responsible party. The written report from the responsible party must contain the following information:

1. Exact date(s) of the incident, spill, or discharge;
2. Description of the incident, spill, or discharge; and
3. Steps that were taken to correct the incident, spill, or discharge and steps that will be taken to prevent reoccurrence of the incident, spill, or discharge in the future.

First Offense: NOV issued to responsible party for non-storm water discharge; civil penalty for damages consisting of employee hourly weighted rates and other related costs of Town crew or contracted services to clean up illicit discharge by responsible party at Town's direction.

The Town may issue a fine up to \$2,500 for a first time occurrence depending on the nature of the offense.

Second Offense: NOV and civil penalty up to \$2,500 issued to responsible party; civil penalty for damages consisting of employee hourly weighted rates and other related costs of Town crew or contracted services to clean up illicit discharge by responsible party at Town's direction.

Third or Subsequent Offense: NOV and civil penalty up to \$5,000 issued to responsible party; civil penalty for damages consisting of employee hourly weighted rates and other related costs or contracted services to clean up illicit discharge by responsible party at Town's direction.

Illicit Discharges (Residential Wastewater Discharges)

NOV and compliance order to stop illicit discharge within 10 days issued to responsible party.

An illicit discharge properly reported as an accidental discharge will be reclassified as an accidental release and not subject to a civil penalty, unless discharge is to waters of the state, as an illicit discharge. Additional damages consisting of salaries and cost of all Town crews or contracted services to clean up accidental releases will be assessed to the responsible party at Town's direction.

Illicit Discharges (Residential Other than Wastewater Discharges)

Enforcement action is based on type of violation. More serious violations such as deliberate dumping of a pesticide, used motor oil or other hazardous or dangerous chemical into a storm water conveyance system would result in a civil penalty of \$1,000 plus actual cost of enforcement and/or damages to environmental resource. A less serious violation, such as raking leaves into the storm water conveyance system, may result in a written or verbal warning.

An illicit discharge properly reported as an accidental discharge will be reclassified as an accidental release and not subject to a civil penalty as an illicit discharge unless discharge is to waters of the state. Additional damages consisting of salaries and cost of all Town crews or contracted services to clean up accidental releases will be assessed to the responsible party

Right of Entry

As stated in Section 1.3.E. of the storm water ordinance: "The Town of Nolensville shall have right-of-entry upon the property subject to this regulation and any permit/document issued hereunder. The Town of Nolensville shall be provided ready access to all parts of the premises for the purposes of inspection, monitoring, sampling, inventory, records of examination and copying, and the performance of any other duties necessary to determine compliance with this regulation."

Citations With Administrative Proceedings

Consent Orders: The Town is empowered to enter into consent orders, assurances of voluntary compliance, or other similar documents establishing an agreement with the person responsible for the noncompliance. Such orders will include specific action to be taken by the person to correct the noncompliance within a time period also specified by the order. Consent orders shall have the same force and effect as administrative orders issued pursuant to a Show Cause Hearing or Compliance Order.

Show Cause Hearing: The Town may order any person who violates the storm water ordinance, MS4 permit, or other order to show cause why a proposed enforcement action should not be taken. Notice shall be served on the person specifying the time and place for the meeting, proposed enforcement action and reasons for such action, and a request that the violator show cause why this proposed enforcement action should not be taken. The notice of the meeting shall be served personally or by registered or certified mail (return receipt requested) at least ten (10) days prior to the hearing.

Compliance order: When the Town finds that any person has violated or continues to violate the storm water ordinance, MS4 permit, or other order, the Town may issue an order to the violator directing that, following a specific time period, adequate structures or devices be installed and/or procedures implemented and properly operated. Orders may also contain such other requirements as might be reasonably necessary and appropriate to address the noncompliance, including the construction of appropriate structures, installation of devices, self- monitoring, and management practices.

Cease and Desist and Stop Work Orders: When the Town finds that any person has violated or continues to violate the storm water ordinance, MS4 permit or other order the Town may issue a stop work order or an order to cease and desist all such violations and direct those persons in noncompliance to Comply forthwith; or take such appropriate remedial or preventive action as may be needed to properly address a continuing or threatened violation; including halting operations except for terminating the discharge and installing appropriate control measures.

Suspension, Revocation or Modification of Permit: The Town may suspend, revoke or modify the permit authorizing the land development project or any other project of the applicant or other responsible person within the Town. A suspended, revoked or modified permit may be reinstated after the applicant or other responsible person has taken the remedial measures set forth in the notice of violation or has otherwise cured the violations described therein, provided such permit may be reinstated upon such conditions as the Town may deem necessary to enable the applicant or other responsible person to take the necessary remedial measures to cure such violations. All fines associated with the notice of violation must be paid before the permit will be reissued.

Conflicting Standards: Whenever there is a conflict between any standard contained in the storm water ordinance, BMP manual or other ordinances and regulations adopted by the Town, the strictest standard shall prevail.

Referral to TDEC: Where the Town has used progressive enforcement to achieve compliance with this Enforcement Response Plan and other applicable ordinances, and in the judgment of the Town has not been successful, the Town may refer the violation to TDEC. For the purposes of this provision, “progressive enforcement” shall mean two (2) follow-up inspections and two (2) warning letters. In addition, enforcement referrals to TDEC must include, at a minimum, the following information:

- (a) Construction project or industrial facility location;
- (b) Name of owner or operator;
- (c) Estimated construction project or size or type of industrial activity (including SIC code, if known);
- (d) Records of communications with the owner or operator regarding the violation, including at least two follow-up inspections, two warning letters or notices of violation, and any response from the owner or operator.

Other Remedies: The Town may bring legal action to enjoin the continuing violation of this Enforcement response plan, and the existence of any other remedy, at law or equity, shall be no defense to any such actions.

Remedies Cumulative: The remedies set forth in this Enforcement Response Plan shall be cumulative, not exclusive, and it shall not be a defense to any action, civil or criminal, that one (1) or more of the remedies set forth herein has been sought or granted.

Appeals: Pursuant to Tennessee Code Annotated § 68-221-1106(d), any person aggrieved by imposition of a civil penalty or damage assessment as provided by an enforcement action may appeal said penalty or damage assessment to the Storm Water Appeal Board.

Appeals to be in Writing: The appeal shall be in writing and filed with the municipal recorder or clerk within fifteen (15) days after the civil penalty and/or damage assessment is served in any manner authorized by law.

Public Hearing: Upon receipt of an appeal, the governing body shall hold a public hearing within thirty (30) days. Ten (10) days prior notice of the time, date, and location of said hearing shall be published in a daily newspaper of general circulation. Ten (10) days’ notice by registered mail shall also be provided to the aggrieved party, such notice to be sent to the address provided by the aggrieved party at the time of appeal. The decision of the governing body of the Town shall be final.

Appealing Decisions of the Town's Governing Body: Any alleged violator may appeal a decision of the Town's governing body pursuant to the provisions of Tennessee Code Annotated, title 27, chapter 8.

APPENDIX B
DRAINAGE PLAN AND DRAINAGE
CALCULATIONS REVIEW CHECKLIST

Appendix B Drainage Plan and Drainage Calculations Review Checklist



Project Name:	
Project Location:	
Latitude/Longitude:	
File/Reference Number:	
Submital Date:	
Applicant:	
Contact Name:	
Contact Phone Number:	
Contact E-mail:	
Reviewer:	
Review Date:	

Check submittal for the following:	Included?			Comments	Response	Resolution (Y/N/Add'l Info)
	Yes	No	N/A			
General Project Information						
Site address and legal description	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
Vicinity map	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
Project narrative	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
Purpose/Intended Use	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
Hydrologic Parameters	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
Impact of development on site hydrology and stormwater quality	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
Offsite flow conditions	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
Description of stormwater management targets	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
Rationale for selection of permanent stormwater control measures	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
Runoff Reduction Requirement Obtained	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
Structural Stormwater Control Measures	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
Bioretention	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
Dry Detention	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
Extended Detention	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
Filter Strips	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
Vegetated Swales	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
Green Roofs	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
Managed Vegetated Areas	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
Infiltration Practices	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
Stormwater Treatment Wetlands	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
Manufactured Treatment Devices	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
Permeable Pavement	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
Rainwater Harvesting and Reuse	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
Other:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
Potential of increased threat of flood damage to public health, life or property	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
Construction Plans						
Existing and proposed topography	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
Existing and proposed stormwater management systems	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
Catchments/Sub-basins	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
Locations of hydrologic computation points	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
Drainage areas and time of concentration flowpaths	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
Stormwater management practices: specified type and surface area indicated on plan	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
Proposed drainage and maintenance access routes and easement locations	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
Streams, ponds, culverts, ditches, sink holes, wetlands; and the type, size, elevation, etc., of nearest upstream and downstream drainage structures	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
Proposed channel modification locations	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
Soil classifications and hydrologic information	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
Existing and proposed land management/cover (including all existing structures, locations of utilities, roads, and easements)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
Limits of disturbance clearly marked and total disturbed area labeled	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
Resource protection areas (e.g. headwater streams, wetlands and lakes)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			

Signature of Applicant (Required) _____
 (By signing this checklist, the applicant certifies that all applicable items have been provided and are correct to best of his/her knowledge).

Date of Submittal _____

Appendix B Drainage Plan and Drainage Calculations Review Checklist



Project Name:	
Project Location:	
Latitude/Longitude:	
File/Reference Number:	
Submital Date:	
Applicant:	
Contact Name:	
Contact Phone Number:	
Contact E-mail:	
Reviewer:	
Review Date:	

Check submittal for the following:	Included?			Comments	Response	Resolution (Y/N/Add'l Info)
	Yes	No	N/A			
FEMA Floodplain limits	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
Development setbacks	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
100' WNA adjacent to all waterways on/adjacent to the construction site with drainage areas greater than or equal to 5 sq. mi.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
75' WNA adjacent to all waterways on/adjacent to the construction site with drainage areas greater than or equal to 1 sq. mi. and less than 5 sq. mi.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
50' WNA adjacent to all waterways on/adjacent to the construction site with drainage areas less than 1 sq. mi.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
Stormwater Control Measure buffers	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
Building setbacks	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
Property line setbacks	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
Well/septic system setbacks	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
Existing and proposed roads, buildings and other structures (impervious surfaces)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
Existing and proposed utilities and utility easements	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
Other existing significant natural and artificial features	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
Drainage Computations						
Drainage map with sub-area delineations, hydrologic nodes, and summary of areas	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
Hydrologic methodology selection and discussion	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
Times of concentration methodology and supporting calculations	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
Curve Numbers or Runoff Coefficients, including assumed soil moisture conditions	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
Peak runoff rates, method used along with basis for selected method, and total runoff volumes for each sub-basin area. Summary tables and tabular output included?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
Soil infiltration rates, if infiltration SCMs are being used	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
Culvert, storm sewer, ditch and/or other stormwater conveyance capacities and hydraulic grade line plots for design storm event, along with methodology used	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
Flow velocities for design storm event - ditches, storm sewers, detention outlets	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
Adequate channel lining and energy dissipation calculations and controls (riprap, etc.)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
Documentation of sources for all computation methods used (i.e. computer program input/output, hand calculations, etc.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
Selection of Appropriate SCMs and supporting water quality calculations	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
Appropriate SCM sizing and design implementation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
Adequate use of pre-treatment	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
Adequate flow routing and SCM trains	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
Data on the increase/decrease in rate and volume of runoff for the design storms	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
Potential for Downstream Impacts	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
Downstream analysis - identification of potential for deterioration of existing roadway or driveway culverts, bridges, dams, and other structures	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
Downstream analysis - identification of potential for accelerated streambank or streambed erosion or siltation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			

Signature of Applicant (Required) _____
 (By signing this checklist, the applicant certifies that all applicable items have been provided and are correct to best of his/her knowledge).

Date of Submittal _____

Appendix B Drainage Plan and Drainage Calculations Review Checklist



Project Name:	
Project Location:	
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Applicant:	
Contact Name:	
Contact Phone Number:	
Contact E-mail:	
Reviewer:	
Review Date:	

Check submittal for the following:	Included?			Comments	Response	Resolution (Y/N/Add'l Info)
	Yes	No	N/A			
Permit Approval and Documentation						
Status of other applicable local, state and federal permits	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
Construction stormwater discharge permit	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
State/federal aquatic resource alteration permits	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
Dam safety permit	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
FEIMA Applications (LOMR, LOMR, etc.) or No-Rise/No-Impact Certification	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
Other:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
Additional comments						

Signature of Applicant (Required) _____
 (By signing this checklist, the applicant certifies that all applicable items have been provided and are correct to best of his/her knowledge).

Date of Submittal _____

APPENDIX C
EROSION PREVENTION AND SEDIMENT
CONTROL PLAN AND SWPPP
REVIEW CHECKLIST

Appendix C Erosion Prevention and Sediment Control Plan and SWPPP Review Checklist



Project Name:	
Project Location:	
Latitude/Longitude:	
File/Reference Number:	
Submital Date:	
Applicant:	
Contact Name:	
Contact Phone Number:	
Contact E-mail:	
Reviewer:	
Review Date:	

Check submittal for the following:	Included?			Comments	Response	Resolution (Y/N/Add'l Info)
	Yes	No	N/A			
General Requirements						
Plans and details of EPSC structural control measures have been prepared and stamped by Professional Engineer or Landscape Architect	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
Includes engineering design of sediment basin/controls for projects 10 acres or greater (5 acres if impaired/exceptional waters)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
Includes multi-phase sheets: <5 ac. – 2-phase plan min.; ≥5 ac. – 3-phase plan min.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
Depicts disturbance limits, buffer zones, watershed drainage patterns, and drainage area serving each outfall	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
Includes estimates of the total site area versus the total area of the site to be disturbed	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
Specifies removal of trapped sediment from sediment controls at or before 50% design capacity	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
Specifies EPSCs will be installed and inspected before earth-moving begins	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
Specifies stabilization within 14 days (7 days for ≥35% slopes) on site areas where construction has temporarily/permanently ceased	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
Identifies all outfall locations intended for coverage under the CGP	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
Identifies construction phasing for activities that will disturb >50 acres	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
Specifies a 100' WNA adjacent to all waterways on/adjacent to the construction site with drainage areas greater than or equal to 5 sq. mi.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
Specifies a 75' WNA adjacent to all waterways on/adjacent to the construction site with drainage areas greater than or equal to 1 sq. mi. and less than 5 sq. mi.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
Specifies a 50' WNA adjacent to all waterways on/adjacent to the construction site with drainage areas less than 1 sq. mi.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
Additional SWPPP Requirements for Discharges into Impaired or Exceptional TN Waters						
Specifies that EPSCs proposed for the site have been designed to control storm runoff generated by a 5-year, 24-hour storm event	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
Specifies sediment basins for construction sites with drainage areas >5 acres that discharge to impaired or exceptional waters	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
Specifies at least a 60' natural riparian buffer zone adjacent to all impaired or exceptional waters on/adjacent to the construction site	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
SWPPP Requirements for Permanent (Post-Development) Stormwater Management						
Specifies velocity dissipation devices at discharge locations and along the length of any outfall channel	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
Additional comments						
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			

Signature of Applicant (Required) _____
 (By signing this checklist, the applicant certifies that all applicable items have been provided and are correct to best of his/her knowledge).

Date of Submittal _____