

APPENDIX C

TECHNICAL REVIEW CHECKLIST (OPTIONAL)

THESE CHECKLISTS WERE DEVELOPED TO BE UTILIZED BY CONSERVATION DISTRICTS FOR NPDES SITES

Technical Review

Project Name: _____

Applicant: _____

Document#: _____

Written Narrative

- Calculations for permanent stormwater BMPs are consistent with the E&S Report
- Curve numbers are consistent with Stormwater BMP Manual or stormwater methodology used

Infiltration:

- Infiltration/Geotechnical Report has addressed the following
 - Water Re-use
 - Infiltration
 - If unable to infiltrate, explanation of site-specific constraints
- Elevation of each infiltration test provided
- Elevation of bottom of each infiltration BMP is provided (in report or on drawings)
- Summary of pervious and impervious areas for each infiltration BMP provided
- Summary of pre-development and post-development runoff volume for each infiltration BMP provided
- Infiltration period provided (not to exceed 72 hours from the end of the design storm)
- Infiltration rates **including the safety factor and reduction factor** are not less than 0.05 and inches per hour

Worksheets:

Stormwater calculation volume control credits and criteria – worksheets from Chapter 8.8 of the BMP manual must be provided as applicable.

- Worksheet 1 – General Site information, provided and appears to be completed properly
- Worksheet 2, appears to be completed properly
- Worksheet 3, appears to be completed properly

Volume Control Guideline 1 – Flow Chart B

- Worksheet 4, appears to be completed properly

- Worksheet 5, appears to be completed properly
- Worksheet 6, appears accurate

Water Quality Calculations – Flow Chart D (if needed)

- Worksheet 10 appears to be completed properly

Plans/Drawings

- PCSM Plan legend meets the E&S Standards for Maps and Drawing requirements
- Proposed limits of disturbance on PCSM and E&S Plans are consistent
- All details for permanent stormwater BMPs are consistent with E&S Plan
- PCSM Plan is consistent with the information as provided in the PCSM report and NOI
- Locations of infiltration testing represents locations of proposed BMPs

The following features are identified on plans:

Existing	Proposed	
<input type="checkbox"/>	<input type="checkbox"/>	Labeled Contours
<input type="checkbox"/>	<input type="checkbox"/>	Roads
<input type="checkbox"/>	<input type="checkbox"/>	Buildings
<input type="checkbox"/>	<input type="checkbox"/>	Utilities
<input type="checkbox"/>	<input type="checkbox"/>	BMPs
<input type="checkbox"/>	<input type="checkbox"/>	Channels
<input type="checkbox"/>	<input type="checkbox"/>	Floodplains
<input type="checkbox"/>	<input type="checkbox"/>	Floodways
<input type="checkbox"/>	<input type="checkbox"/>	Stormwater Systems
<input type="checkbox"/>	<input type="checkbox"/>	Streams
<input type="checkbox"/>	<input type="checkbox"/>	Watercourses
<input type="checkbox"/>	<input type="checkbox"/>	Water Bodies
<input type="checkbox"/>	<input type="checkbox"/>	Wetlands

- Proposed features on PCSM Plan and E&S Plan are consistent
- Wetland Boundaries on PCSM Plan and E&S Plan are consistent
- Will the runoff impact the hydrology of any EV wetlands? Yes No

Ownership, Operations and Maintenance Procedures

- Inspection Schedule of each BMP is provided
- Directions for maintenance and/or replacement of each BMP are provided
- Directions for sediment disposal are provided

Technical Review

Project Name: _____

Applicant: _____

Document#: _____

Written Narrative

- Routing analysis to demonstrate peak control for the 2-year through 100-year storm events appears to be adequate to control peak flows. (*Routing should consider the benefits of BMPs*)
- Special Conditions stated in report as required may be conditions of the permit. (*Items used by the consultant may need to be added as a special condition to the permit. It should be at the discretion of the DEP regional office.*)

Infiltration:

- Infiltration calculations include a safety factor

Thermal Impact Analysis:

- Applicant has adequately addressed thermal impacts of stormwater runoff from the project's impervious surfaces in order to manage, avoid, and minimize or mitigate thermal impacts to surface waters.

Worksheets:

Volume Control Guideline 1 – Flow Chart B

- 5.4.1 – Protect Sensitive/ Special Value Features has been addressed
- 5.4.2 – Protect/Conserve/enhance Riparian Areas has been addressed
- 5.4.3 – Protect/Utilize Natural Flow pathways in Overall Stormwater Planning Design has been addressed
- 5.6.1 – Minimize Total Disturbed Area-Grading has been addressed
- 5.6.2 – Minimize Soil Compaction in Disturbed Areas has been addressed
- 5.6.3 – Re-vegetate and Re-Forest Disturbed Areas, Using native Species has been addressed
- 5.8.1 – Rooftop Disconnection has been addressed
- 5.8.2 – Disconnect from Storm Sewers has been addressed

Water Quality Calculations – Flow Chart D (if needed)

- Worksheet 11, appears to be completed properly
- Worksheet 12, appears to be completed properly
- Worksheet 13, appears to be completed properly