

Manufactured Treatment Device Summary Form



General Information	
Project Name: Click here to enter text.	
Site Location: Click here to enter text.	
MTD Structure ID: Click here to enter text.	
Site Design Characteristics	
Total Project Area [ha]: Click here to enter text.	
Catchment Area to MTD [ha]: Click here to enter text.	
% Impervious of Catchment Area: Click here to enter text.	
Design Requirement - SWM Background	
Application: <input type="checkbox"/> Standalone <input type="checkbox"/> Treatment Train / Multi-Component	
Water Quality Target (%): <input type="checkbox"/> Site-Wide: Click here to enter text. <input type="checkbox"/> MTD-Specific: Click here to enter text.	
Location: <input type="checkbox"/> No U/S or D/S SWM Detention <input type="checkbox"/> U/S of SWM Detention <input type="checkbox"/> D/S of SWM Detention	
General MTD Information	
Type: <input type="checkbox"/> Oil-Grit Separator <input type="checkbox"/> Filter Device	
Proposed Model Name / Number: Click here to enter text.	
Tested Model Name / Number: Click here to enter text.	
Testing / Verification / Certification <i>[select one]</i>	
<input type="checkbox"/> <i>[For OGS]</i> Canada ETV OGS Lab Protocol + ISO 14034: ETV Verification	
<input type="checkbox"/> <i>[For Filter Device]</i> TAPE Field Test Protocol ¹ + TAPE Certification	
<input type="checkbox"/> <i>[For Filter Device]</i> TAPE Field Test Protocol ¹ + ISO 14034: ETV Verification	
Scaling <i>[applicable where proposed model is not the same as tested model]</i>	
<input type="checkbox"/> Scaling Provisions Met	
MTD Characteristics	
Diameter [m]: Click here to enter text.	Surface Area [m ²]: Click here to enter text.
Box Height / Width [m]: Click here to enter text.	Treatment Depth ³ [m]: Click here to enter text.
Depth ² [m]: Click here to enter text.	Sediment Storage Capacity ⁴ [L]: Click here to enter text.
Internal Weir Height [m]: Click here to enter text.	Total Storage Capacity [L]: Click here to enter text.
Oil Storage Capacity [L]: Click here to enter text.	Max Treatment Rate [L/s]: Click here to enter text.
<input type="checkbox"/> <i>[For OGS]</i> Sizing and Performance Evaluation	
Design Treatment Flows ⁵ : _____ to _____ [L/s]	
Design Surface Loading Rates ⁵ : _____ to _____ [L/min/m ²]	
Removal Efficiency ⁵ : _____ to _____ [%]	
Total Annual Volume-Weighted Removal Efficiency [%]: Click here to enter text.	
Annual Sediment Loading Volume [L]: Click here to enter text.	

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<input type="checkbox"/> [For Filter] Sizing and Performance Evaluation
Design Treatment Flow (90% Annual Rainfall Volume Capture) [L/s]: Click here to enter text.
Removal Efficiency [%]: Click here to enter text.
Installation Configuration [select Option A, B or C]
<input type="checkbox"/> A. Inline OGS
<input type="checkbox"/> Internal By-pass Capacity > Inlet Pipe Capacity minus 90% Annual Rainfall Flow Rate; and
<input type="checkbox"/> Internal By-pass Capacity > Inlet Pipe Capacity minus Maximum Scour Flow Rate; and
<input type="checkbox"/> Maximum Scour Concentration at Maximum Tested Scour Flow Rate <= 25mg/L
<input type="checkbox"/> B. Inline Filter
<input type="checkbox"/> Internal By-pass Capacity > Inlet Pipe Capacity minus 90% Annual Rainfall Flow Rate
<input type="checkbox"/> C. Off-line OGS or Filter
<input type="checkbox"/> Diversion By-pass Capacity > Inlet Pipe Capacity minus 90% Annual Rainfall Flow Rate
Operations & Maintenance
<input type="checkbox"/> [For OGS] Provided MTD Storage Capacity > Annual Sediment Loading Volume
<input type="checkbox"/> [For Filter Device] Manufacturer Designed and Recommended Maintenance Interval: _____ year
Attachments with SWM Report [select all applicable]
<input type="checkbox"/> MTD Engineering Drawings
<input type="checkbox"/> Verification Statements/Certification Report
<input type="checkbox"/> MTD Sizing and Performance Calculation Sheet
<input type="checkbox"/> Hydraulic Calculations for Inline/Offline Installation
<input type="checkbox"/> Operations & Maintenance Manual
<input type="checkbox"/> Other; Specify: Click here to enter text.

Note: MTD Summary Form to completed in accordance with *Design Criteria for MTDs* and appended as part of Stormwater Management Report

1. Includes capture of min 3 events with rainfall intensity and depth corresponding to 90% average annual rainfall volume
2. Chamber depth is measured from the outlet invert to the bottom of the device.
3. Maximum Treatment Depth = Chamber Depth minus 50% of Maximum Sediment Storage Depth
4. Measured from the bottom of the device to manufacturer-recommended sediment cleanout depth
5. Calculated range for design intensities corresponding from 10% to 100% of Annual Rainfall Volume Captured