

Form 7-1 Operational Checklist: Media filter (MF)

Service provided on: Date: _____ Time: _____ Reference #: _____
 Service provided by: Company: _____ Employee: _____
 Date of last service: _____ By: You Other: _____
 Date of last inspection: _____

1. Type of media filter:

- Single-pass: Sand Foam Peat Other: _____
 Recirculating: Sand/gravel Foam Textile Other: _____
 Trickling filter: Gravel Plastic Textile Other: _____
 Upflow filter: Gravel Plastic Wood chips Other: _____
 a. Manufacturer: _____ Model #: _____
 b. Distribution method: Pressure distribution Gravity distribution

2. Conditions at media filter

- a. Evaluate presence of odor within 10 ft of perimeter of system:
 None Mild Strong Chemical Sour
 b. Source of odor, if present: _____

3. Cover

- a. Type of cover: Free access Buried Lid
 b. Filter cover intact. Yes ___ No ___
 c. Method of securing cover: _____
 d. Distribution component accessible. Yes ___ No ___
 e. Surface water/infiltration into components. Yes ___ No ___

4. Venting/Air supply:

- Passive Active Not present
 a. Supply: Aspirator Compressor Blower Free air (go to 4.g)
 b. Operation: Continuous Timed (On _____ min., Off _____ min)
 c. Air supply unit operating properly. Yes ___ No ___
 d. Pressure at air supply unit: _____ psi
 e. Air flow at air supply unit: _____ cfm
 f. Air filter/screen: Cleaned Replaced
 g. Venting appears operable. Yes ___ No ___

5. Media surface

- a. Biomat on surface. Yes ___ No ___
 b. Uniform gravity distribution. N.A. ___ Yes ___ No ___
 c. Uniform spray pattern. N.A. ___ Yes ___ No ___
 d. Ponding in/on media. Yes ___ No ___
 e. Plugging/clogging of distribution components. Yes ___ No ___
 f. Media appears to be settling. Yes ___ No ___
 g. Appropriate maintenance performed. Yes ___ No ___
 h. Pest activity at surface. Yes ___ No ___

6. Effluent quality

- a. Turbidity: _____ NTU
 b. Oily film on the surface of effluent. Yes ___ No ___
 c. DO at outlet: _____ mg/L
 d. pH at outlet: _____
 e. Temperature at outlet: _____
 f. Bypass or overflow noticed. Yes ___ No ___
 g. Effluent odor after passing through media filter:
 None Mild Strong
 h. Effluent color after passing through media filter:
 Clear Brown Black

NOTES

2.	<input type="checkbox"/> Acceptable <input type="checkbox"/> Unacceptable
3.	<input type="checkbox"/> Acceptable <input type="checkbox"/> Unacceptable
4.	<input type="checkbox"/> Acceptable <input type="checkbox"/> Unacceptable
5.	<input type="checkbox"/> Acceptable <input type="checkbox"/> Unacceptable
6.	<input type="checkbox"/> Acceptable <input type="checkbox"/> Unacceptable

Reference #: _____

- 7. Pressure distribution: N.A. _____
 - a. Distal head before cleaning
 - i) Equal height. Yes ___ No ___
 - ii) Height (inches): _____ in
 - b. Lateral condition
 - i) Laterals in need of cleaning. Yes ___ No ___
 - ii) Laterals cleaned. Yes ___ No ___
 - iii) Method for cleaning laterals: _____
 - c. Distal head after cleaning
 - i) Equal height. Yes ___ No ___
 - ii) Height (inches): _____ in
 - 8. Gravity distribution: N.A. _____
 - a. Device: _____
 - b. Uniform distribution. Yes ___ No ___
 - c. Operating properly. Yes ___ No ___
 - 9. Filter drainage systems
 - a. Ponding in media filter sump. Yes ___ No ___
 - b. Gravity drainage operational. N.A. ___ Yes ___ No ___
 - c. Solids buildup in sump area. N.A. ___ Yes ___ No ___
 - d. Underdrain vents present. Yes ___ No ___
 - e. Underdrain vents appear operable. Yes ___ No ___
 - 10. Additional tasks for recirculating filters
 - a. DO in recirculation tank: _____ mg/L
 - b. Inspected recirculating device. N.A. ___ Yes ___ No ___
 - c. Cleaned recirculating device. N.A. ___ Yes ___ No ___
 - d. Design recirculation ratio: _____ : _____
 - e. Actual recirculation ratio: _____ : _____
 - f. Recirculation changed to: _____ : _____

*If dam configuration, recirculation device cannot be inspected or cleaned
 - 11. Additional tasks for trickling filters
 - 11.1 Clarification chamber
 - a. Solids blanket below recirculation pump inlet. Yes ___ No ___ *

*If no, was system pumped out. Yes ___ No ___

 - b. If screened inlet, was screen cleaned. Yes ___ No ___
 - 11.2 Sludge return
 - a. Solids blanket slightly above return pump. Yes ___ No ___
 - b. Changed solids return rate. Yes ___ No ___
 - i) Pump: Off On
 - ii) Changed from ___ min to ___ min
12. Manufacturer's required maintenance performed. Yes ___ No ___
(If 'Yes', attach Manufacturer Inspection form to this report, if supplied)
13. Lab samples collected for monitoring. Yes ___ No ___
Types of analysis: _____

7.	<input type="checkbox"/> Acceptable <input type="checkbox"/> Unacceptable
8.	<input type="checkbox"/> Acceptable <input type="checkbox"/> Unacceptable
9.	<input type="checkbox"/> Acceptable <input type="checkbox"/> Unacceptable
10.	<input type="checkbox"/> Acceptable <input type="checkbox"/> Unacceptable
11.1	<input type="checkbox"/> Acceptable <input type="checkbox"/> Unacceptable
11.2	<input type="checkbox"/> Acceptable <input type="checkbox"/> Unacceptable