

# Appendix C: Example FPR

FILTER PROFILE REPORT FOR INDIVIDUAL FILTERS			
FOR PUBLIC WATER SYSTEMS THAT ARE USING SURFACE WATER SOURCES OR GROUND WATER SOURCES UNDER THE INFLUENCE OF SURFACE WATER THAT ARE REQUIRED TO CONDUCT ADDITIONAL INDIVIDUAL FILTER MONITORING			
<b>PUBLIC WATER SYSTEM NAME:</b> <u>City of Example</u> <b>PWS ID No.:</b> <u>1234567</u>	<b>PLANT NAME OR NUMBER:</b> <u>Treatment Plant</u> <b>Month:</b> <u>February</u> <b>Year:</b> <u>2002</u>		
OBVIOUS REASONS			
	<b>FILTER NO.:</b> <u>1</u> <b>DATE:</b> <u>02-04-02</u> <b>TIME:</b> <u>10:00 AM</u> <b>DURATION:</b> <u>45.00</u> <b>TURBIDITY:</b> <u>1.23</u>	<b>FILTER NO.:</b> <u>1</u> <b>DATE:</b> <u>02-04-02</u> <b>TIME:</b> <u>4:15 PM</u> <b>DURATION:</b> <u>15.00</u> <b>TURBIDITY:</b> <u>0.57</u>	<b>FILTER NO.:</b> <u>5</u> <b>DATE:</b> <u>02-04-02</u> <b>TIME:</b> <u>11:45 AM</u> <b>DURATION:</b> <u>15.00</u> <b>TURBIDITY:</b> <u>1.05</u>
<b>OBVIOUS REASONS</b> (Check all that apply)			
<b>NONE IDENTIFIED - A Filter Profile must be submitted</b> <input type="checkbox"/> (See Profile No. <u>    </u> ) <input type="checkbox"/> (See Profile No. <u>    </u> ) <input type="checkbox"/> (See Profile No. <u>    </u> )			
<b>Filter Problems</b>			
Post-Backwash Turbidity Spike	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Prolonged Filter Run Time	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Excessive Filter-Loading Rate	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rate-of-Flow Control Valve Failure	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Media Defects (insufficient depth, mudballs, etc.)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Inadequate Surface Wash or Backwash Facilities	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Backwash Artifact	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<b>Turbidimeter Errors</b>			
Incorrect Calibration	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Air Bubble	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Debris	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Chemical Feed Equipment Failure</b>			
Coagulant	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Coagulant Aid	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Filter Aid	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Poor Raw Water Quality</b>			
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Other Major Unit Process Failures/Maintenance Activities</b> Specify: _____			Backwash Filter No. <u>1</u>
OBVIOUS REASONS			
	<b>FILTER NO.:</b> <u>5</u> <b>DATE:</b> <u>02-13-02</u> <b>TIME:</b> <u>2:15 PM</u> <b>DURATION:</b> <u>15.00</u> <b>TURBIDITY:</b> <u>1.24</u>	<b>FILTER NO.:</b> _____ <b>DATE:</b> _____ <b>TIME:</b> _____ <b>DURATION:</b> _____ <b>TURBIDITY:</b> _____	<b>FILTER NO.:</b> _____ <b>DATE:</b> _____ <b>TIME:</b> _____ <b>DURATION:</b> _____ <b>TURBIDITY:</b> _____
<b>OBVIOUS REASONS</b> (Check all that apply)			
<b>NONE IDENTIFIED - A Filter Profile must be submitted</b> <input checked="" type="checkbox"/> (See Profile No. <u>1</u> ) <input type="checkbox"/> (See Profile No. <u>    </u> ) <input type="checkbox"/> (See Profile No. <u>    </u> )			
<b>Filter Problems</b>			
Post-Backwash Turbidity Spike	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Prolonged Filter Run Time	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Excessive Filter-Loading Rate	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rate-of-Flow Control Valve Failure	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Media Defects (insufficient depth, mudballs, etc.)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Inadequate Surface Wash or Backwash Facilities	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Backwash Artifact	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Turbidimeter Errors</b>			
Incorrect Calibration	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Air Bubble	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Debris	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Chemical Feed Equipment Failure</b>			
Coagulant	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Coagulant Aid	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Filter Aid	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Poor Raw Water Quality</b>			
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Other Major Unit Process Failures/Maintenance Activities</b> Specify: _____			

<b>FILTER PROFILE REPORT FOR INDIVIDUAL FILTERS</b> <small>FOR PUBLIC WATER SYSTEMS THAT ARE USING SURFACE WATER SOURCES OR GROUND WATER SOURCES UNDER THE INFLUENCE OF SURFACE WATER THAT ARE REQUIRED TO CONDUCT ADDITIONAL INDIVIDUAL FILTER MONITORING</small>			
<b>PUBLIC WATER SYSTEM NAME:</b> <u>City of Example</u>	<b>PLANT NAME OR NUMBER:</b> <u>Treatment Plant</u>		
<b>PWS ID No.:</b> <u>1234567</u>	<b>Month:</b> <u>February</u>	<b>Year:</b> <u>2002</u>	
NARRATIVE DESCRIPTION OF FILTER PROFILE			
<b>FILTER NO.:</b> _____ <b>PROFILE NO.:</b> _____	<b>DATE OF PROFILE:</b> _____		
<b>DETAILS:</b> The filter profile on Filter No. 5 began at 1:28 pm on Tuesday, February 19, 2002 following a routine backwash and our typical 45-minute idle time that we allow for filter pre-ripening. The filter profile ended at 12:30 am on Thursday, February 21, 2002, when the plant was taken offline for the day. Filter No.5 was backwashed and returned before the plant was returned to service the following morning. Some specific observations we made during the filter profile include: <ol style="list-style-type: none"> <li>1) there was a significant increase in the IFE turbidity level at 6:00 pm on the 19th when the plant's production rate was increased from 9.6 MGD to 13.2 MGD.</li> <li>2) the 4-hr IFE turbidity level on Filter No. 5 was recorded at 12:20 pm and was 0.262 NTU.</li> <li>3) a turbidity spike was observed when Filter No. 3 was taken offline and backwashed at 8:28 pm on the 8th.</li> <li>4) the maximum daily 15-minute IFE reading from Filter No. 5 occurred at 8:30 pm on the 19th while we were backwashing Filter No. 3</li> <li>5) the plant was shut off for the night at 11:55 pm and was not started up again until 8:00 am on Wednesday, February 20th.</li> <li>6) the short, but severe, turbidity spike that occurred at 11:46 am on the 20th was an unusual reading that occurred when we flushed the turbidimeter body as part of our routine maintenance.</li> <li>7) the 4-hr IFE reading for Filter No. 5 occurred at 12:00 pm and was 0.235 NTU</li> <li>8) at 2:35 pm on the 20th, we took Filter No. 6 offline for backwashing</li> <li>9) the maximum daily 15-minute reading for the 20th (on Filter No. 5) was 0.394 NTU and occurred while Filter No. 6 was still offline.</li> </ol>			
NARRATIVE DESCRIPTION OF FILTER PROFILE			
<b>FILTER NO.:</b> _____ <b>PROFILE NO.:</b> _____	<b>DATE OF PROFILE:</b> _____		
<b>DETAILS:</b>			

### Filter No. 5 Profile



