

# **Appendix M**

## **% TDG Exceedance Tracking System**



**INTRODUCTION:**

The U.S. Army Corps of Engineers tracks the number of TDG exceedances of Washington and Oregon water quality standards (115% in the forebays and 120% in the tailwaters of Columbia and Snake River dams, under the provisions provided of the state water quality exemptions granted by the states) and designates a cause for each exceedances. This information is provided to the Technical Management Team Regional Forum and can be found at <http://www.nwd-wc.usace.army.mil/tmt/documents/ops/spill/>

Table M-1 provides a listing of the various causes (types) that are designated to each exceedances occurrence. Table M-2 provides a listing of the Daily Average %TDG for the 12 Highest Hours. Table M-3 designates a specific exceedances cause (type) for all exceedances at all Corps of Engineers Columbia and Snake River projects.

**TABLE M-1  
TYPES OF EXCEEDANCE TRACKING**

<b>TDG EXCEEDANCE TRACKING</b>	
<b>Types of Exceedances:</b>	
1.	Exceedance due to high runoff flows and flood control efforts
2.	Exceedance due to Intertie line outages
3.	Exceedance due to unit outages during repair or maintenance
4.	Exceedance due to BPA is unable to handle load so they had to spill
5.	Exceedance due to a break down in communication. (e.g. Teletype transmission failure or project operator misinterpreted teletype)
6.	Exceedance due to uncertainties when using best professional judgment to apply the spill guidance criteria (travel time; degassing; water temperature effects; spill patterns)
7.	Exceedance due to high TDG levels coming from the Mid-Columbia Projects (see Pasco FMS readings).
8.	Exceedance due to high TDG levels coming from the Snake Projects (See Ice Harbor Dam tailwater FMS readings)
9.	Exceedance due to a load rejection, the powerhouse was not working and the river was spilled.
10.	Exceedance due to failure of FMS gages, database outage, and satellite failures, etc
11.	Exceedance due to other unanticipated mechanical problems/maintenance operations (gate was stuck open, passing debris etc.)
12.	Exceedance due to sharp rise in water temperature (a 3 to 5 degree F. change in a day).
13.	Exceedance due to bulk spill pattern being used which generated more TDG than expected.

**TABLE M-2  
DAILY AVERAGE % TDG FOR 12 HIGHEST HOURS  
APRIL 2005**

	Low Gran FB	Low Gran TW	Little Goose FB	Little Goose TW	Low Monu. FB	Low Monu. TW	Ice Harb FB	Ice Harb TW	McNary FB-W	McNary FB-O	McNary TW	John Day FB	John Day TW	The Dalles FB	The Dalles TW	BON FB	BON TW	Camas FB
4/7/2005	No Spill	No Spill	No Spill	No Spill	No Spill	No Spill	Spill Begins	Spill Begins										
4/8/2005	102.4	102.0	102.4	102.0	103.3	103.9	105.2	113.9										
4/9/2005	101.1	100.9	101.3	100.7	102.5	103.0	104.5	113.3										
4/10/2005	103.0	101.4	101.2	100.6	102.9	103.1	104.1	113.8	Spill Begins									
4/11/2005	103.3	102.3	102.1	101.4	102.9	102.9	105.2	115.4	106.0	106.2	113.2	105.2	118.0	Spill Begins	Spill Begins			
4/12/2005	101.7	101.6	101.9	101.7	102.2	102.2	105.2	114.8	107.0	106.9	113.6	105.1	116.7	111.1	114.3			
4/13/2005	100.4	100.5	101.8	101.2	101.0	101.7	104.6	114.5	107.1	110.3	114.3	105.1	117.6	109.3	113.3			
4/14/2005	99.8	99.6	100.8	100.5	100.5	100.9	103.7	114.0	106.4	107.0	114.5	104.0	116.7	110.1	113.1	Spill Begins	Spill Begins	Spill Begins
4/15/2005	102.1	101.0	101.0	101.1	100.9	101.8	102.7	114.2	106.4	108.4	114.7	104.5	118.1	109.6	113.4	110.4	109.7	108.5
4/16/2005	102.4	102.0	103.1	102.3	101.8	102.2	103.2	114.0	107.6	108.3	113.7	105.1	116.2	113.8	114.0	112.1	111.7	109.9
4/17/2005	101.5	101.2	102.1	101.4	101.5	101.9	102.2	113.6	106.6	106.8	112.1	104.3	116.6	109.6	113.3	111.6	111.8	112.5
4/18/2005	100.9	100.8	101.1	100.7	101.0	101.3	101.8	115.0	106.3	107.4	111.0	103.8	114.8	108.3	112.4	109.8	111.6	113.4
4/19/2005	102.7	102.0	100.7	100.8	102.1	102.5	102.3	115.1	108.6	107.2	112.0	104.8	115.0	106.5	112.6	108.9	113.5	114.5
4/20/2005	103.6	102.6	101.6	101.8	102.2	102.5	102.6	115.9	108.7	108.1	112.2	105.5	116.3	109.3	112.9	108.9	114.7	114.1
4/21/2005	102.6	101.4	101.4	101.4	101.6	101.9	102.1	115.1	108.9	108.0	114.1	105.7	116.2	108.9	113.5	108.5	114.3	114.5
4/22/2005	104.0	102.3	102.4	102.1	101.9	102.5	103.8	114.4	110.9	109.8	116.2	108.1	118.2	112.0	115.5	109.8	114.3	113.5
4/23/2005	103.3	102.3	104.4	102.7	102.4	103.0	104.4	116.0	110.4	110.1	116.0	108.1	119.0	113.7	117.6	111.4	114.4	111.2
4/24/2005	102.3	101.9	103.6	102.9	102.3	102.9	103.7	114.8	109.1	111.7	113.7	107.1	117.0	111.8	115.8	111.6	114.6	113.6
4/25/2005	103.7	101.8	103.4	102.7	102.1	102.6	103.2	115.2	113.1	115.0	116.2	106.6	116.7	112.0	115.7	110.8	114.6	113.9
4/26/2005	107.7	103.6	104.0	103.3	102.7	103.4	103.6	115.6	114.5	<b>117.8</b>	116.6	108.0	118.2	111.5	114.7	110.2	115.3	<b>116.0</b>
4/27/2005	106.2	103.3	104.1	103.7	104.4	104.3	103.9	112.6	113.4	113.5	116.6	109.3	118.0	112.9	116.5	112.2	115.8	114.7
4/28/2005	103.1	102.0	102.4	102.6	103.7	103.7	102.8	111.3	112.0	112.5	116.1	109.7	118.9	113.1	116.1	112.0	115.7	113.0
4/29/2005	103.0	101.5	102.6	102.3	103.2	103.2	102.6	111.0	111.9	110.9	115.7	110.0	118.2	112.7	116.2	112.1	115.5	112.3
4/30/2005	103.8	103.8	103.1	102.5	102.9	102.9	102.4	111.2	110.8	115.0	115.7	109.6	118.4	113.9	116.6	112.5	116.0	<b>115.8</b>

Large + Bold font and Grey cell: Exceed 115% forebay/120% Tailwater Standard.

N/A: Data Not Available.

**TABLE M-2  
DAILY AVERAGE % TDG FOR 12 HIGHEST HOURS  
MAY 2005**

	Low Gran FB	Low Gran TW	Little Goose FB	Little Goose TW	Low Monu. FB	Low Monu. TW	Ice Harb FB	Ice Harb TW	McNary FB-W	McNary FB-O	McNary TW	John Day FB	John Day TW	The Dalles FB	The Dalles TW	BON FB	BON TW	Camas FB
5/1/2005	103.1	100.6	104.0	102.7	103.0	103.1	103.0	116.4	112.8	112.1	116.6	111.4	117.7	114.1	116.8	113.5	115.9	<b>115.9</b>
5/2/2005	102.9	105.7	104.3	102.3	103.0	103.4	103.4	115.5	112.1	113.7	116.3	112.4	118.1	114.2	116.8	114.7	115.1	<b>115.4</b>
5/3/2005	104.1	102.6	104.3	102.4	103.9	109.0	103.4	116.3	114.0	114.5	116.5	111.8	118.5	114.4	116.6	114.1	114.9	<b>117.0</b>
5/4/2005	106.5	103.5	104.0	102.8	104.3	108.1	103.9	116.6	114.9	<b>115.2</b>	116.8	112.5	118.7	<b>115.1</b>	117.0	114.6	115.1	<b>115.4</b>
5/5/2005	106.1	104.4	105.2	103.0	104.8	108.5	104.6	113.0	114.8	114.3	116.7	114.1	118.8	<b>115.6</b>	117.6	<b>115.2</b>	114.9	<b>115.2</b>
5/6/2005	104.8	104.1	105.0	104.5	104.5	108.7	106.1	112.7	<b>115.8</b>	114.8	116.9	114.0	119.4	112.8	116.5	114.0	114.8	114.2
5/7/2005	102.7	104.8	103.9	103.3	103.8	108.5	105.2	112.6	113.8	113.2	117.3	111.4	119.6	109.8	113.1	110.6	114.4	113.0
5/8/2005	103.5	102.6	103.8	103.6	104.4	109.1	104.5	112.6	111.5	112.5	118.4	110.7	119.9	112.1	115.2	111.6	116.1	111.6
5/9/2005	103.0	106.8	103.9	103.6	104.7	108.9	105.0	118.3	111.3	110.3	116.4	<b>117.4</b>	119.8	111.7	115.7	111.6	117.3	111.5
5/10/2005	101.6	105.7	102.7	102.7	103.6	110.2	104.2	119.0	110.1	109.2	115.9	108.8	119.6	109.7	114.2	110.3	117.5	109.9
5/11/2005	101.6	107.4	102.1	102.0	102.9	108.7	103.9	116.2	111.4	111.0	117.8	107.4	119.1	109.3	114.1	109.0	118.2	111.3
5/12/2005	102.4	104.4	104.8	103.0	103.3	108.8	104.5	112.5	<b>115.1</b>	114.2	118.8	109.1	118.5	112.7	116.2	109.1	118.5	112.0
5/13/2005	106.5	104.1	105.7	105.7	103.4	112.0	104.6	118.7	114.6	114.8	117.8	108.8	117.9	114.0	116.5	110.8	118.6	113.6
5/14/2005	104.9	103.8	105.7	105.2	104.0	116.8	104.7	118.3	113.8	113.9	116.7	108.7	118.3	114.3	116.9	113.4	118.8	<b>115.2</b>
5/15/2005	105.1	104.5	105.5	104.6	106.4	109.9	107.6	116.1	<b>115.3</b>	114.2	117.9	110.9	118.7	114.3	116.4	114.9	119.0	114.9
5/16/2005	104.2	107.5	105.4	104.4	106.4	109.1	108.8	114.1	<b>115.1</b>	114.4	119.0	112.6	118.2	114.0	116.1	114.1	118.5	114.0
5/17/2005	103.1	117.6	104.7	108.6	104.5	<b>121.6</b>	106.0	<b>120.8</b>	111.8	112.1	118.9	113.0	118.8	<b>115.4</b>	117.4	112.0	118.3	113.5
5/18/2005	102.9	116.6	105.1	106.8	106.0	<b>121.1</b>	109.1	<b>120.2</b>	111.4	110.3	119.3	113.2	119.2	<b>115.3</b>	117.3	114.8	118.9	113.6
5/19/2005	103.0	114.9	109.2	110.3	104.8	119.7	109.8	119.9	112.4	112.5	117.7	109.3	118.2	113.4	116.6	114.1	118.8	113.4
5/20/2005	103.1	118.2	109.1	111.0	108.0	<b>121.4</b>	109.1	<b>120.3</b>	111.9	112.2	116.3	108.3	119.5	113.1	116.3	112.8	118.0	113.0
5/21/2005	103.7	119.9	109.5	113.1	109.2	119.6	110.8	118.8	112.3	113.1	118.9	109.2	118.1	110.5	114.8	112.6	118.3	111.9
5/22/2005	104.7	117.1	112.3	116.0	111.3	<b>120.6</b>	112.5	118.2	112.1	112.7	119.1	109.2	120.0	112.7	115.8	112.6	119.3	112.9
5/23/2005	105.2	116.9	112.9	113.3	113.9	<b>121.4</b>	112.7	116.9	111.3	112.8	117.6	108.6	<b>120.2</b>	110.6	115.0	111.0	118.0	113.1
5/24/2005	104.7	114.7	112.1	111.2	113.5	<b>120.1</b>	113.3	116.9	112.1	112.4	116.1	108.0	119.8	113.5	116.6	112.0	117.9	110.6
5/25/2005	106.1	109.6	111.1	112.0	111.8	116.9	114.7	119.7	113.2	112.7	117.7	109.4	119.6	114.4	117.0	112.3	118.1	111.7
5/26/2005	106.9	108.1	111.6	111.6	110.9	118.4	114.0	120.0	114.3	114.5	119.1	112.1	119.9	114.8	117.6	113.6	117.8	111.7
5/27/2005	109.0	107.7	110.3	109.3	112.1	115.4	113.9	119.6	<b>117.3</b>	<b>116.6</b>	118.0	114.8	<b>120.3</b>	<b>117.5</b>	119.1	<b>115.2</b>	118.3	114.0
5/28/2005	109.6	107.9	110.2	109.2	112.2	112.3	114.0	119.0	<b>118.3</b>	<b>118.8</b>	119.3	<b>115.2</b>	<b>120.6</b>	<b>115.8</b>	118.2	<b>116.4</b>	118.5	<b>115.4</b>
5/29/2005	107.1	105.8	109.4	108.6	110.6	112.6	113.4	117.2	<b>117.6</b>	<b>119.5</b>	117.2	113.3	119.8	112.6	117.0	111.9	118.1	113.1
5/30/2005	105.7	104.3	108.4	106.9	109.0	110.7	111.2	114.9	<b>116.5</b>	<b>116.6</b>	117.0	111.6	118.9	109.4	114.8	107.2	117.3	111.7
5/31/2005	103.8	106.5	106.5	105.7	108.0	108.4	109.8	117.4	114.1	113.2	117.2	110.4	117.4	109.0	114.9	106.5	117.3	110.7

Large + Bold font and Grey cell: Exceed 115% forebay/120% Tailwater Standard.

N/A: Data Not Available.

**TABLE M-2  
DAILY AVERAGE % TDG FOR 12 HIGHEST HOURS  
JUNE 2005**

	Low Gran FB	Low Gran TW	Little Goose FB	Little Goose TW	Low Monu. FB	Low Monu. TW	Ice Harb FB	Ice Harb TW	McNary FB-W	McNary FB-O	McNary TW	John Day FB	John Day TW	The Dalles FB	The Dalles TW	BON FB	BON TW	Camas FB
6/1/2005	103.2	109.6	104.5	104.1	106.5	109.7	107.9	118.6	108.8	108.7	118.7	107.8	117.4	111.0	114.8	108.0	117.4	110.6
6/2/2005	102.5	106.2	102.8	102.2	104.7	107.9	106.1	115.8	108.3	107.4	119.3	105.9	118.3	111.8	115.0	108.3	118.4	110.9
6/3/2005	102.6	103.2	103.6	102.8	103.1	107.9	105.0	112.4	109.8	109.5	119.2	104.5	116.9	110.6	114.2	107.6	117.8	111.8
6/4/2005	103.4	102.7	103.9	103.4	102.1	106.5	104.4	112.5	109.7	111.5	116.7	103.9	117.6	109.3	114.0	107.4	118.3	112.7
6/5/2005	103.9	102.9	104.2	103.5	102.3	108.5	104.4	111.6	109.2	108.1	115.5	104.0	116.3	107.5	112.7	108.0	117.4	111.0
6/6/2005	103.7	108.5	103.0	102.2	102.1	103.4	102.8	118.3	108.2	107.8	116.6	104.0	117.1	110.9	114.1	108.6	117.5	112.7
6/7/2005	103.3	113.8	102.3	101.7	102.2	102.6	102.5	117.9	107.5	106.4	116.2	103.9	117.4	108.9	113.5	108.2	117.5	113.8
6/8/2005	104.4	101.6	102.5	102.1	101.9	102.5	102.4	114.2	107.3	108.4	117.9	104.4	117.4	109.9	113.6	109.1	117.4	<b>115.5</b>
6/9/2005	105.0	104.6	105.0	104.9	101.8	102.7	102.4	111.8	109.4	111.0	<b>120.4</b>	104.9	116.5	112.0	115.5	109.8	118.0	<b>115.8</b>
6/10/2005	103.6	102.3	107.5	107.8	101.8	103.0	102.6	116.4	110.1	110.5	118.2	104.7	116.5	110.4	114.6	109.7	117.2	112.9
6/11/2005	103.8	102.2	106.7	105.4	102.6	103.9	102.9	115.2	109.7	109.3	117.2	104.4	116.6	109.6	114.0	108.2	116.6	111.3
6/12/2005	102.8	101.8	104.1	103.1	102.8	104.2	102.2	112.8	107.2	107.9	115.7	103.4	116.9	106.6	112.4	107.1	116.7	111.9
6/13/2005	103.8	101.9	103.4	102.5	104.3	105.0	102.0	110.5	107.5	107.7	115.1	103.7	116.6	109.0	112.5	107.8	117.6	113.9
6/14/2005	102.8	101.8	103.7	102.7	104.5	104.7	102.8	115.1	108.0	108.6	116.4	104.7	116.6	110.4	113.5	108.2	117.6	113.4
6/15/2005	103.7	104.0	103.2	103.1	103.4	104.1	103.4	116.4	107.8	109.2	115.8	104.8	117.0	111.3	114.0	109.3	117.9	<b>115.4</b>
6/16/2005	107.0	104.2	104.9	104.1	104.2	104.9	105.1	115.7	110.4	110.0	116.3	105.9	116.7	111.3	115.2	111.1	118.0	114.8
6/17/2005	104.9	103.4	104.9	103.6	103.5	104.2	105.2	116.6	111.3	112.0	116.9	105.4	117.5	111.5	114.4	111.5	117.8	113.6
6/18/2005	104.3	102.5	104.7	103.1	103.2	103.8	104.5	112.7	111.0	110.8	117.9	105.6	116.6	111.2	114.6	110.6	117.4	113.5
6/19/2005	103.9	101.9	104.2	103.1	102.9	103.7	103.4	111.7	109.9	112.5	114.9	105.7	117.4	108.7	113.8	109.8	117.0	<b>115.7</b>
6/20/2005	<b>Spill Begins</b>	103.4	114.6	111.7	111.6	116.4	108.4	117.1	113.0	115.3	110.7	117.1	<b>116.7</b>					
6/21/2005	104.6	115.5	104.9	116.8	103.9	118.4	103.9	114.2	111.7	111.7	118.2	108.2	118.1	110.6	114.4	110.4	116.0	112.7
6/22/2005	103.1	110.3	103.6	117.3	105.9	116.8	105.2	116.2	110.2	109.5	116.4	105.7	117.5	107.6	113.1	107.0	116.2	111.0
6/23/2005	107.1	118.3	103.0	119.4	111.3	119.7	108.9	115.5	110.0	111.3	114.7	107.2	119.5	108.7	113.8	108.0	117.8	111.4
6/24/2005	109.9	118.6	108.3	117.9	113.4	119.9	112.0	115.2	112.5	112.7	112.8	108.3	118.7	110.4	115.2	109.2	117.3	112.9
6/25/2005	107.5	115.3	110.0	120.0	114.9	<b>120.3</b>	112.7	114.3	114.3	<b>115.4</b>	114.0	107.6	118.5	108.5	114.1	108.5	117.7	112.7
6/26/2005	108.6	116.4	110.0	118.1	<b>117.1</b>	119.6	<b>115.3</b>	114.4	114.7	114.2	113.9	106.9	116.8	107.8	113.6	108.0	117.4	112.4
6/27/2005	107.6	113.9	110.4	116.1	<b>116.8</b>	117.9	<b>115.6</b>	114.7	111.9	110.9	112.0	106.3	119.1	107.4	113.2	107.3	117.2	112.0
6/28/2005	106.1	111.6	110.9	116.9	<b>115.3</b>	118.0	<b>115.2</b>	115.3	109.3	110.3	110.7	104.9	116.5	107.5	113.2	106.8	117.2	111.3
6/29/2005	103.7	118.1	111.0	117.3	<b>115.2</b>	117.8	113.5	115.6	109.1	112.6	111.0	104.4	118.3	106.6	112.8	106.0	117.1	113.9
6/30/2005	106.0	120.0	110.7	115.2	114.5	118.5	113.7	115.3	111.2	113.0	112.4	104.6	118.7	107.8	113.4	107.6	117.7	114.1

Large + Bold font and Grey cell: Exceed 115% forebay/120% Tailwater Standard.

N/A: Data Not Available.

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DAILY AVERAGE % TDG FOR 12 HIGHEST HOURS  
JULY 2005**

	Low Gran FB	Low Gran TW	Little Goose FB	Little Goose TW	Low Monu. FB	Low Monu. TW	Ice Harb FB	Ice Harb TW	McNary FB-W	McNary FB-O	McNary TW	John Day FB	John Day TW	The Dalles FB	The Dalles TW	BON FB	BON TW	Camas FB
7/1/2005	102.2	115.1	110.5	114.0	<b>115.7</b>	118.3	114.4	115.4	112.8	113.2	119.6	104.7	119.4	106.9	112.7	107.1	117.8	112.0
7/2/2005	103.6	119.7	109.6	113.5	<b>115.4</b>	118.3	114.8	114.3	112.8	112.0	118.2	104.2	116.6	105.8	112.4	106.4	117.9	111.4
7/3/2005	105.2	114.1	109.3	113.6	113.5	118.4	114.0	114.2	111.6	113.1	117.3	104.3	117.0	105.6	112.7	106.2	117.3	113.8
7/4/2005	114.2	111.9	110.5	113.9	111.7	118.6	113.9	113.6	111.6	114.6	116.4	104.7	115.3	107.1	112.4	107.4	116.8	114.7
7/5/2005	113.2	117.8	110.9	113.4	111.0	117.8	113.8	114.0	112.1	113.9	118.2	105.0	118.3	107.1	113.3	107.6	116.6	114.7
7/6/2005	106.5	114.1	109.6	113.9	110.8	118.5	114.0	114.3	111.3	111.2	116.4	105.6	114.9	106.8	112.8	107.4	116.1	112.5
7/7/2005	106.9	118.7	110.2	114.4	110.4	118.9	114.6	115.1	110.1	113.8	117.8	106.7	115.0	106.5	112.9	106.9	116.2	112.2
7/8/2005	104.4	118.1	109.6	113.6	110.0	119.4	113.5	113.1	109.9	110.4	118.6	106.6	116.2	107.3	113.0	106.9	117.4	112.8
7/9/2005	107.2	113.4	108.8	114.4	108.4	119.8	111.2	112.6	107.9	108.2	117.7	107.5	114.8	107.9	113.5	107.4	117.2	113.1
7/10/2005	106.9	113.0	108.2	112.7	108.6	116.7	110.8	113.1	108.9	111.1	116.5	106.8	114.1	107.7	113.5	108.5	117.0	113.5
7/11/2005	109.8	116.6	108.0	113.7	108.7	120.0	110.9	113.3	109.6	112.0	117.4	106.3	114.7	108.2	113.7	108.4	117.1	113.8
7/12/2005	106.5	117.5	108.1	113.6	108.3	119.4	110.5	112.5	109.3	110.0	118.5	105.4	115.1	107.2	112.7	107.9	116.3	113.5
7/13/2005	102.2	112.3	109.0	113.4	108.4	118.1	111.3	112.4	109.7	111.9	117.2	105.3	116.2	105.5	112.8	106.3	116.2	111.9
7/14/2005	112.4	116.6	111.0	114.0	109.4	119.8	112.4	113.0	110.5	110.9	118.0	107.0	117.5	108.0	114.3	107.1	117.4	114.8
7/15/2005	112.1	112.9	111.0	113.1	109.7	118.6	113.6	112.8	112.4	112.7	119.0	108.0	117.8	109.5	115.1	109.3	117.6	114.6
7/16/2005	108.8	112.5	110.5	113.5	109.6	118.7	113.6	113.6	111.7	112.5	118.5	106.8	116.3	106.8	113.5	108.1	117.2	113.1
7/17/2005	110.1	116.9	110.7	114.1	110.0	118.3	114.0	112.7	111.4	111.1	118.2	107.5	114.8	108.0	114.6	107.9	117.3	113.2
7/18/2005	110.9	112.9	111.3	113.2	110.7	118.6	115.0	114.1	112.5	<b>115.7</b>	117.4	109.3	115.0	109.4	114.5	110.4	117.0	<b>115.4</b>
7/19/2005	108.8	116.9	110.9	112.9	109.8	118.1	114.1	112.7	112.7	114.8	117.2	108.8	113.5	108.3	113.7	109.1	116.1	113.6
7/20/2005	107.2	113.9	110.0	112.4	110.5	118.5	114.0	113.5	111.9	<b>115.6</b>	117.1	108.0	112.8	106.1	112.3	106.1	116.0	112.7
7/21/2005	108.8	116.1	110.5	112.8	111.4	118.8	114.4	113.5	112.2	114.6	118.0	108.6	114.8	108.4	114.3	106.7	116.3	114.2
7/22/2005	107.9	114.2	109.9	113.2	110.3	117.1	114.1	114.0	111.3	110.3	117.5	109.7	112.9	109.9	114.1	107.4	116.4	112.1
7/23/2005	105.2	114.1	108.7	111.7	108.2	117.7	112.5	114.1	109.5	112.3	117.9	107.3	113.1	107.0	112.1	106.3	116.5	111.4
7/24/2005	104.7	112.3	108.6	109.9	108.2	117.7	112.1	113.4	110.1	112.9	116.8	106.1	112.2	107.1	112.4	105.2	116.5	112.2
7/25/2005	104.3	112.0	108.4	112.2	107.3	112.8	111.4	110.7	110.3	112.5	117.8	105.3	114.9	106.3	112.3	104.8	116.3	112.8
7/26/2005	108.8	113.5	108.3	112.4	107.2	118.1	110.5	112.6	110.1	112.1	119.7	107.2	116.6	109.1	114.7	107.5	117.4	113.8
7/27/2005	109.4	113.2	108.1	112.5	107.4	117.2	110.8	113.4	110.7	111.6	117.8	109.1	116.1	109.7	115.0	110.6	116.8	<b>115.4</b>
7/28/2005	109.2	113.5	108.6	113.1	107.2	117.7	111.4	111.9	111.0	113.7	117.5	109.3	115.9	109.6	114.2	110.5	116.2	114.5
7/29/2005	106.1	113.7	108.0	113.1	108.0	119.9	110.4	113.4	111.6	<b>115.3</b>	118.4	108.5	115.9	106.2	113.1	107.0	116.2	113.3
7/30/2005	103.7	113.5	107.6	112.1	107.5	119.4	109.9	112.6	111.6	113.1	118.3	107.6	114.7	106.6	111.9	105.1	116.3	113.3
7/31/2005	107.8	111.9	108.0	109.3	108.3	115.4	110.9	111.7	111.9	<b>115.4</b>	118.7	109.9	118.3	108.6	114.3	107.5	115.6	113.3

Large + Bold font and Grey cell: Exceed 115% forebay/120% Tailwater Standard.

N/A: Data Not Available.

**TABLE M-2  
DAILY AVERAGE % TDG FOR 12 HIGHEST HOURS  
AUGUST 2005**

	Low Gran FB	Low Gran TW	Little Goose FB	Little Goose TW	Low Monu. FB	Low Monu. TW	Ice Harb FB	Ice Harb TW	McNary FB-W	McNary FB-O	McNary TW	John Day FB	John Day TW	The Dalles FB	The Dalles TW	BON FB	BON TW	Camas FB
8/1/2005	106.0	113.5	108.1	112.1	107.5	117.7	111.0	113.6	112.0	113.0	119.5	109.2	116.2	108.6	113.3	106.8	116.8	110.8
8/2/2005	104.5	113.2	107.7	112.6	108.0	118.3	112.5	113.4	110.9	113.3	116.9	107.9	116.2	106.9	113.3	105.6	116.7	112.4
8/3/2005	110.3	112.3	107.6	112.6	108.9	116.7	112.9	112.4	110.7	112.9	116.2	107.7	115.5	108.3	113.0	106.3	115.9	112.8
8/4/2005	111.0	112.2	109.3	111.7	108.5	113.1	112.9	111.2	111.0	111.7	116.5	108.6	115.7	109.5	114.1	107.3	115.7	113.0
8/5/2005	111.9	113.2	109.4	112.5	107.9	115.1	111.9	112.1	110.1	112.7	117.2	109.2	115.5	109.3	113.2	108.6	115.5	114.0
8/6/2005	110.2	112.9	109.1	112.9	108.7	118.8	112.6	113.7	110.1	113.0	117.5	109.1	115.6	107.5	112.8	106.7	116.6	113.1
8/7/2005	105.0	113.1	110.1	113.0	109.0	118.0	112.8	113.8	110.5	113.2	117.4	108.6	115.6	106.3	111.6	105.0	116.3	112.1
8/8/2005	112.2	112.4	109.9	113.0	109.3	116.1	112.1	113.9	110.8	114.3	117.5	108.6	115.9	107.0	112.5	103.9	116.4	112.3
8/9/2005	112.1	112.3	109.6	113.1	109.1	118.4	111.9	114.1	110.1	112.9	116.4	108.5	115.4	106.8	112.4	103.6	115.7	111.1
8/10/2005	105.5	112.7	109.6	111.4	108.7	113.4	112.7	112.5	109.6	111.0	117.5	107.2	115.7	105.1	111.9	102.8	115.8	109.9
8/11/2005	108.1	112.2	108.5	111.5	108.6	119.7	112.5	114.0	107.8	108.8	116.7	105.2	115.0	104.3	111.8	102.6	116.9	110.7
8/12/2005	110.2	112.2	107.0	110.0	108.3	111.5	111.9	112.0	106.6	108.6	116.7	104.2	115.4	104.7	112.1	103.5	117.1	113.8
8/13/2005	105.9	112.0	105.4	110.3	105.3	112.1	108.4	110.9	105.3	107.4	115.9	104.5	115.7	106.6	113.2	103.6	115.6	110.7
8/14/2005	112.7	111.7	105.8	110.7	105.5	115.5	110.1	110.8	106.2	109.8	114.9	105.2	115.3	108.5	112.9	106.3	115.7	111.1
8/15/2005	113.5	111.9	106.7	109.9	105.9	113.0	108.8	110.6	107.3	110.8	116.1	103.9	115.5	107.9	112.4	108.4	114.4	113.5
8/16/2005	112.3	112.9	106.6	108.6	106.6	110.2	108.2	110.8	106.9	111.7	116.5	103.3	115.2	106.5	111.2	107.3	114.5	110.4
8/17/2005	105.9	113.6	106.8	109.4	106.7	110.0	108.7	110.4	105.6	108.1	116.4	102.7	115.5	103.7	110.6	103.7	115.7	111.1
8/18/2005	106.2	111.9	105.3	111.9	105.0	113.4	107.3	113.1	105.9	108.0	116.6	102.9	115.3	104.7	111.7	104.4	116.7	113.6
8/19/2005	109.6	110.1	104.9	107.9	105.3	110.6	107.4	111.7	104.5	106.1	116.5	104.1	115.6	107.0	113.4	106.9	116.6	113.3
8/20/2005	109.5	112.0	104.3	109.5	105.0	112.1	108.0	110.8	103.9	106.7	116.4	104.6	115.0	107.2	113.6	107.6	115.6	113.2
8/21/2005	109.6	110.5	105.9	108.1	104.8	110.1	107.7	111.1	104.5	108.4	116.3	104.2	114.7	106.7	112.5	106.6	114.5	112.1
8/22/2005	105.2	111.5	105.6	116.4	106.3	114.3	106.5	109.4	104.9	109.5	116.7	104.1	114.7	104.8	111.6	104.4	115.3	111.1
8/23/2005	102.0	110.3	105.8	113.0	105.9	114.7	106.8	111.7	105.0	107.3	116.7	103.8	115.2	103.1	110.7	102.4	115.8	110.3
8/24/2005	103.3	109.0	105.2	108.1	105.3	110.4	106.7	110.9	104.2	107.4	116.5	103.8	115.1	104.4	112.2	102.9	116.5	112.4
8/25/2005	107.9	110.9	105.5	108.4	105.4	110.3	106.8	112.7	103.6	105.1	115.6	105.2	115.3	106.8	113.1	103.8	115.7	110.3
8/26/2005	110.6	111.0	104.7	108.8	104.7	111.7	107.0	110.8	102.7	105.8	114.7	105.5	114.6	107.4	112.7	106.3	113.9	113.6
8/27/2005	109.0	110.9	104.8	108.0	105.7	110.6	106.8	110.7	103.3	107.2	116.7	104.2	114.9	106.2	112.4	106.7	115.5	113.5
8/28/2005	109.6	110.7	105.0	109.2	107.0	111.6	107.9	111.3	104.5	109.1	116.3	104.3	114.6	106.1	112.8	106.3	114.7	113.2
8/29/2005	104.0	115.7	104.3	109.6	106.3	109.6	107.5	109.7	103.3	104.0	113.8	103.2	112.1	105.0	110.9	104.4	114.2	110.2
8/30/2005	101.4	116.0	103.1	109.4	104.2	112.9	105.6	113.0	101.7	104.4	116.3	102.1	112.5	102.9	110.3	102.8	115.7	112.7
8/31/2005	104.7	116.4	103.1	106.2	103.9	112.3	105.5	110.8	102.4	103.9	114.0	102.3	111.6	105.4	110.5	103.9	N/A	113.4
<b>END OF SPILL SEASON</b>																		
<b>TOTALS</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>6</b>	<b>7</b>	<b>3</b>	<b>3</b>	<b>8</b>	<b>11</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>6</b>	<b>0</b>	<b>3</b>	<b>0</b>	<b>16</b>
<b>Exceedance Criteria</b>	<b>115.0</b>	<b>120.0</b>	<b>115.0</b>	<b>120.0</b>	<b>115.0</b>	<b>120.0</b>	<b>115.0</b>	<b>120.0</b>	<b>115.0</b>	<b>115.0</b>	<b>120.0</b>	<b>115.0</b>	<b>120.0</b>	<b>115.0</b>	<b>120.0</b>	<b>115.0</b>	<b>120.0</b>	<b>115.0</b>

Large + Bold font and Grey cell: Exceed 115% forebay/120% Tailwater Standard.

N/A: Data Not Available.

**TABLE M-3  
EXCEEDANCE TYPE TRACKING  
APRIL 2005**

	Low Gran FB	Low Gran TW	Little Goose FB	Little Goose TW	Low Monu. FB	Low Monu. TW	Ice Harb FB	Ice Harb TW	McNary FB-W	McNary FB-O	McNary TW	John Day FB	John Day TW	The Dalles FB	The Dalles TW	BON FB	BON TW	Camas FB
4/7/05	No Spill	No Spill	No Spill	No Spill	No Spill	No Spill	Spill Begins	Spill Begins										
4/8/05	---	---	---	---	---	---	---	---										
4/9/05	---	---	---	---	---	---	---	---										
4/10/05	---	---	---	---	---	---	---	---	Spill Begins									
4/11/05	---	---	---	---	---	---	---	---	---	---	---	---	---	Spill Begins	Spill Begins			
4/12/05	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---			
4/13/05	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---			
4/14/05	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---			
4/15/05	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	Spill Begins	Spill Begins	Spill Begins
4/16/05	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
4/17/05	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
4/18/05	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
4/19/05	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
4/20/05	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
4/21/05	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
4/22/05	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
4/23/05	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
4/24/05	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
4/25/05	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
4/26/05	---	---	---	---	---	---	---	---	---	12	---	---	---	---	---	---	---	6
4/27/05	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
4/28/05	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
4/29/05	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
4/30/05	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	6

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**TABLE M-3  
EXCEEDANCE TYPE TRACKING  
MAY 2005**

	Low Gran FB	Low Gran TW	Little Goose FB	Little Goose TW	Low Monu. FB	Low Monu. TW	Ice Harb FB	Ice Harb TW	McNary FB-W	McNary FB-O	McNary TW	John Day FB	John Day TW	The Dalles FB	The Dalles TW	BON FB	BON TW	Camas FB
5/1/05	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	6
5/2/05	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	6
5/3/05	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	6
5/4/05	---	---	---	---	---	---	---	---	---	7	---	---	---	6	---	---	---	6
5/5/05	---	---	---	---	---	---	---	---	---	---	---	---	---	6	---	6	---	6
5/6/05	---	---	---	---	---	---	---	---	7	---	---	---	---	---	---	---	---	---
5/7/05	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
5/8/05	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
5/9/05	---	---	---	---	---	---	---	---	---	---	---	10	---	---	---	---	---	---
5/10/05	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
5/11/05	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
5/12/05	---	---	---	---	---	---	---	---	7	---	---	---	---	---	---	---	---	---
5/13/05	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
5/14/05	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	6
5/15/05	---	---	---	---	---	---	---	---	7	---	---	---	---	---	---	---	---	---
5/16/05	---	---	---	---	---	---	---	---	7	---	---	---	---	---	---	---	---	---
5/17/05	---	---	---	---	---	1	---	1	---	---	---	---	---	1	---	---	---	---
5/18/05	---	---	---	---	---	1	---	1	---	---	---	---	---	1	---	---	---	---
5/19/05	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
5/20/05	---	---	---	---	---	1	---	1	---	---	---	---	---	---	---	---	---	---
5/21/05	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
5/22/05	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	---	---	---
5/23/05	---	---	---	---	---	1	---	---	---	---	---	---	6	---	---	---	---	---
5/24/05	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	---	---	---
5/25/05	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
5/26/05	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
5/27/05	---	---	---	---	---	---	---	---	7	7	---	---	4	4	---	6	---	---
5/28/05	---	---	---	---	---	---	---	---	7	7	---	7	7	4	---	6	---	6
5/29/05	---	---	---	---	---	---	---	---	7	7	---	---	---	---	---	---	---	---
5/30/05	---	---	---	---	---	---	---	---	7	7	---	---	---	---	---	---	---	---
5/31/05	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

**TABLE M-3  
EXCEEDANCE TYPE TRACKING  
JUNE 2005**

	Low Gran FB	Low Gran TW	Little Goose FB	Little Goose TW	Low Monu. FB	Low Monu. TW	Ice Harb FB	Ice Harb TW	McNary FB-W	McNary FB-O	McNary TW	John Day FB	John Day TW	The Dalles FB	The Dalles TW	BON FB	BON TW	Camas FB
6/1/05	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
6/2/05	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
6/3/05	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
6/4/05	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
6/5/05	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
6/6/05	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
6/7/05	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
6/8/05	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	6
6/9/05	---	---	---	---	---	---	---	---	---	6	---	---	---	---	---	---	---	6
6/10/05	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
6/11/05	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
6/12/05	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
6/13/05	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
6/14/05	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
6/15/05	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	6
6/16/05	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
6/17/05	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
6/18/05	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
6/19/05	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	6
6/20/05	Spill Begins	Spill Begins	Spill Begins	Spill Begins	Spill Begins	Spill Begins	---	---	---	---	---	---	---	---	---	---	---	6
6/21/05	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
6/22/05	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
6/23/05	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
6/24/05	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
6/25/05	---	---	---	---	---	6	---	---	---	12	---	---	---	---	---	---	---	---
6/26/05	---	---	---	---	6	---	6	---	---	---	---	---	---	---	---	---	---	---
6/27/05	---	---	---	---	6	---	6	---	---	---	---	---	---	---	---	---	---	---
6/28/05	---	---	---	---	6	---	6	---	---	---	---	---	---	---	---	---	---	---
6/29/05	---	---	---	---	6	---	---	---	---	---	---	---	---	---	---	---	---	---
6/30/05	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

**TABLE M-3  
EXCEEDANCE TYPE TRACKING  
JULY 2005**

	Low Gran FB	Low Gran TW	Little Goose FB	Little Goose TW	Low Monu. FB	Low Monu. TW	Ice Harb FB	Ice Harb TW	McNary FB-W	McNary FB-O	McNary TW	John Day FB	John Day TW	The Dalles FB	The Dalles TW	BON FB	BON TW	Camas FB
7/1/05	---	---	---	---	6	---	---	---	---	---	---	---	---	---	---	---	---	---
7/2/05	---	---	---	---	6	---	---	---	---	---	---	---	---	---	---	---	---	---
7/3/05	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
7/4/05	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
7/5/05	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
7/6/05	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
7/7/05	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
7/8/05	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
7/9/05	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
7/10/05	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
7/11/05	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
7/12/05	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
7/13/05	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
7/14/05	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
7/15/05	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
7/16/05	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
7/17/05	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
7/18/05	---	---	---	---	---	---	---	---	---	12	---	---	---	---	---	---	---	12
7/19/05	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
7/20/05	---	---	---	---	---	---	---	---	---	12	---	---	---	---	---	---	---	---
7/21/05	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
7/22/05	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
7/23/05	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
7/24/05	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
7/25/05	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
7/26/05	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
7/27/05	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	6
7/28/05	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
7/29/05	---	---	---	---	---	---	---	---	---	12	---	---	---	---	---	---	---	---
7/30/05	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
7/31/05	---	---	---	---	---	---	---	---	---	12	---	---	---	---	---	---	---	---

M-10

**TABLE M-3  
EXCEEDANCE TYPE TRACKING  
AUGUST 2005**

	Low Gran FB	Low Gran TW	Little Goose FB	Little Goose TW	Low Monu. FB	Low Monu. TW	Ice Harb FB	Ice Harb TW	McNary FB-W	McNary FB-O	McNary TW	John Day FB	John Day TW	The Dalles FB	The Dalles TW	BON FB	BON TW	Camas FB
8/1/05	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
8/2/05	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
8/3/05	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
8/4/05	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
8/5/05	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
8/6/05	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
8/7/05	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
8/8/05	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
8/9/05	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
8/10/05	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
8/11/05	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
8/12/05	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
8/13/05	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
8/14/05	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
8/15/05	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
8/16/05	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
8/17/05	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
8/18/05	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
8/19/05	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
8/20/05	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
8/21/05	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
8/22/05	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
8/23/05	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
8/24/05	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
8/25/05	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
8/26/05	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
8/27/05	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
8/28/05	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
8/29/05	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
8/30/05	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
8/31/05	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
<b>Total Exceeda nces</b>	<b>Spill Stops</b>																	
	0	0	0	0	6	7	3	3	8	11	1	2	3	6	0	3	0	16

**TABLE M-4**  
**2005 SPILL SEASON (April 1 – August 31):**  
**MAXIMUM %TDG and NUMBER of EXCEEDANCES**

<b>Station</b>	<b>APR</b>	<b>MAY</b>	<b>JUN</b>	<b>JUL</b>	<b>AUG</b>
<b>Kootenai River</b>					
Libby Tailwater (LBQM)					
Maximum hourly % TDG	105.8	111.1	107.2	104.7	105.1
Number of hours over 110%	0	3	0	0	0
<b>Pend Oreille River</b>					
Albeni Falls Forebay (ALFI)					
Maximum hourly % TDG	110.1	112.0	111.9	111.4	106.8
Number of hours over 110%	2	60	57	15	0
Albeni Falls Tailwater (ALFW)					
Maximum hourly % TDG	112.3	113.7	114.5	112.3	0.0
Number of hours over 110%	24	81	247	27	0
<b>Middle Columbia River</b>					
Chief Joseph Forebay (CHJ)					
Maximum hourly % TDG	108.9	110.3	112.4	112.6	109.3
Number of hours over 110%	0	1	190	398	0
Chief Joseph Tailwater (CHQW)					
Maximum hourly % TDG	109.9	120.6	112.4	113.9	110.9
Number of hours over 110%	0	57	256	414	11
<b>Middle Snake River</b>					
Anatone (ANQW)					
Maximum hourly % TDG	105.3	108.4	106.1	106.7	104.3
Number of hours over 110%	0	0	0	0	0
<b>North Fork Clearwater River</b>					
Dworshak Tailwater (DWQI)					
Maximum hourly % TDG	107.7	107.9	107.4	103.8	104.1
Number of hours over 110%	0	0	0	0	0
<b>Clearwater River</b>					
Peck (PEKI)					
Maximum hourly % TDG	102.6	104.6	104.2	106.7	106.2
Number of hours over 110%	0	0	0	0	0
Lewiston (LEWI)					
Maximum hourly % TDG	105.9	105.6	105.9	108.8	107.6
Number of hours over 110%	0	0	0	0	0
<b>Lower Snake River</b>					
Lower Granite Forebay (LWG)					
Maximum hourly % TDG	108.3	112.2	112.6	118.1	115.5
Number of hours over 115%	0	0	0	7	2
Number of days high 12 hour avg over 115%	0	0	0	0	0
Lower Granite Tailwater (LGNW)					
Maximum hourly % TDG	107.4	120.9	120.4	120.0	117.3
Number of hours over 120%	0	7	9	0	0
Number of days high 12 hour avg over 120%	0	0	0	0	0

**TABLE M-4 (continued)**  
**2005 SPILL SEASON (April 1 – August 31):**  
**MAXIMUM %TDG and NUMBER of EXCEEDANCES**

<b>Station</b>	<b>APR</b>	<b>MAY</b>	<b>JUN</b>	<b>JUL</b>	<b>AUG</b>
<b>Lower Snake River</b>					
Little Goose Forebay (LGSA)					
Maximum hourly % TDG	105.1	113.0	111.2	112.1	110.6
Number of hours over 115%	0	0	0	0	0
Number of days high 12 hour avg over 115%	0	0	0	0	0
Little Goose Tailwater (LGSW)					
Maximum hourly % TDG	104.3	116.5	120.2	117.2	118.5
Number of hours over 120%	0	0	9	0	0
Number of days high 12 hour avg over 120%	0	0	0	0	0
Lower Monumental Forebay (LMNA)					
Maximum hourly % TDG	104.8	115.3	117.9	116.2	109.6
Number of hours over 115%	0	2	62	21	0
Number of days high 12 hour avg over 115%	0	0	4	2	0
Lower Monumental Tailwater (LMNW)					
Maximum hourly % TDG	108.9	124.1	120.6	120.7	120.3
Number of hours over 120%	0	55	15	11	4
Number of days high 12 hour avg over 120%	0	6	1	0	0
Ice Harbor Forebay (IHRA)					
Maximum hourly % TDG	106.4	114.9	116.0	115.8	113.1
Number of hours over 115%	0	0	35	7	0
Number of days high 12 hour avg over 115%	0	0	3	0	0
Ice Harbor Tailwater (IDSW)					
Maximum hourly % TDG	117.8	121.1	119.2	116.2	114.8
Number of hours over 120%	0	54	0	0	0
Number of days high 12 hour avg over 120%	0	3	0	0	0
<b>On Columbia River upstream of</b>					
<b>Confluence with Snake River</b>					
Pasco (PAQW)					
Maximum hourly % TDG	115.1	117.6	116.7	115.6	112.9
Number of hours over 115%	1	56	16	5	0
<b>Lower Columbia River</b>					
McNary Oregon Forebay (MCQO)					
Maximum hourly % TDG	123.7	121.4	118.4	118.7	115.8
Number of hours over 115%	25	126	12	54	5
Number of days high 12 hour avg over 115%	1	5	1	4	0
McNary Washington Forebay (MCNA)					
Maximum hourly % TDG	114.8	118.9	115.2	113.6	112.1
Number of hours over 115%	0	141	2	0	0
Number of days high 12 hour avg over 115%	0	8	0	0	0
McNary Tailwater (MCPW)					
Maximum hourly % TDG	117.0	120.8	122.7	120.3	122.3
Number of hours over 120%	0	5	11	4	3
Number of days high 12 hour avg over 120%	0	0	1	0	0

**TABLE M-4 (continued)**  
**2005 SPILL SEASON (April 1 – August 31):**  
**MAXIMUM %TDG and NUMBER of EXCEEDANCES**

<b>Station</b>	<b>APR</b>	<b>MAY</b>	<b>JUN</b>	<b>JUL</b>	<b>AUG</b>
<b>Lower Columbia River</b>					
John Day Forebay (JDY)					
Maximum hourly % TDG	110.5	115.6	110.5	110.5	109.8
Number of hours over 115%	0	14	0	0	0
Number of days high 12 hour avg over 115%	0	2	0	0	0
John Day Tailwater (JHAW)					
Maximum hourly % TDG	119.5	121.0	120.1	119.7	118.5
Number of hours over 120%	0	53	1	0	0
Number of days high 12 hour avg over 120%	0	3	0	0	0
The Dalles Forebay (TDA)					
Maximum hourly % TDG	115.6	119.2	114.2	110.8	109.9
Number of hours over 115%	5	96	0	0	0
Number of days high 12 hour avg over 115%	0	6	0	0	0
The Dalles Tailwater (TDDO)					
Maximum hourly % TDG	118.2	120.4	117.2	115.5	115.2
Number of hours over 120%	0	2	0	0	0
Number of days high 12 hour avg over 120%	0	0	0	0	0
Bonneville Forebay (BON)					
Maximum hourly % TDG	113.6	117.0	112.2	111.0	109.1
Number of hours over 115%	0	45	0	0	0
Number of days high 12 hour avg over 115%	0	3	0	0	0
Cascade Island Washington (CCIW)					
Maximum hourly % TDG	117.5	120.5	121.1	120.6	120.1
Number of hours over 120%	0	11	47	20	1
Number of days high 12 hour avg over 120%	0	0	0	0	0
Camas/Washougal (CWMW)					
Maximum hourly % TDG	117.3	118.4	118.9	117.9	116.0
Number of hours over 115%	31	69	80	69	8
Number of days high 12 hour avg over 115%	2	7	5	2	0

**TABLE M-5**  
**2001 TO 2005 SPILL SEASON (April 1 – August 31):**  
**HOURS OVER 125% TDG**

Year	Project	Dates	Range of %TDG	Number of Hours
2005	N/A	N/A	N/A	0
2004	N/A	N/A	N/A	0
2003	CHQW	21-May	125.7 - 131.5	5
2003	LGNW	5/27-30; 6/1-3; 8/13-18	125.2 - 136.2	223
2003	LGS	6/1-6/2	125.1 - 127.4	44
2003	LGSW	5/31-6/3; 6/11; 6/19	125.2 - 145.8	23
2003	LMN	5/31-6/4	125.2 - 129.0	36
2003	LMNW	5/29-6/1	125.1 - 130.8	60
2003	IDSW	5/31-6/1	125.2 - 126.9	17
2003	WRNO	5/28-5/29	125.5 - 129.0	7
2003	CWMW	5/29; 8/25	125.4 - 127.8	2
2002	CHQW	6/1-6/3; 7/1-7/3	125.2 - 136.3	39
2002	LGSW	6/5	126.8 - 127.1	4
2002	LMN	6/3	125.2	1
2002	IDSW	4/15	125.5 - 125.6	2
2002	MCPW	6/28	125.1	1
2002	JHAW	6/3-6/9	125.1 - 125.9	9
2002	WRNO	6/4-6/11; 7/2-7/3	125.1 - 128.9	28
2002	CWMW	6/5	125.1	1
2001	N/A	N/A	N/A	0

\* N/A: Not Applicable since %TDG did not exceed 125%.