

# 2005 % TDG Exceedance Tracking System

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. Table 1 provides a listing of the various causes (types) that are designated to each exceedances occurrence. Table 2 designates a specific exceedances cause (type) for all exceedances at all Corps of Engineers Columbia and Snake River projects.

**TABLE 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 2  
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 Exceedances</b>	Spill Stops	Spill Stops	Spill Stops	Spill Stops	Spill Stops	Spill Stops	Spill Stops	Spill Stops	Spill Stops	Spill Stops	Spill Stops	Spill Stops	Spill Stops	Spill Stops	Spill Stops	Spill Stops	Spill Stops	Spill Stops
	0	0	0	0	6	7	3	3	8	11	1	2	3	6	0	3	0	16