

**Spill Comparison  
2000 vs. 2004 vs. 2010**

The following table shows increases in spill to improve passage conditions implemented at lower Snake and Columbia River dams since the 2000 BiOp. Generally, these spill increases include:

**Spring**

- Increasing spring spill at John Day, McNary, Little Goose, and Lower Granite dams from nighttime only spill to 24-hour spill at each dam

**Summer**

- Increasing summer spill at John Day Dam from nighttime only spill to 24-hour spill
- Moving from “no spill” operation in summer at McNary, Lower Monumental, Little Goose, and Lower Granite dams to 24-hour spill operation at each dam for the entire summer

**Spill Operations in 2000, 2004 and 2010 BiOps**

Project	Season	Spill Operations		
		2000 Operations <sup>1</sup>	2004 Operations <sup>1</sup>	2010 Operations <sup>2</sup>
Bonneville	spring	75 kcfs day/Gas Cap night	75 kcfs day/Gas Cap night	24-hour spill (100 kcfs)
	summer	75 kcfs day/Gas Cap night	75 kcfs day/Gas Cap night	85 kcfs day/Gas Cap night (currently testing 95 kcfs vs. 85 kcfs day/121 kcfs night)
The Dalles	spring	24-hour spill (40%)	24-hour spill (40%)	24-hour spill (40%)
	summer	24-hour spill (40%)	24-hour spill (40%)	24-hour spill (40%)
John Day	spring	nighttime spill (60%)	nighttime spill (60%)	24-hour spill (30%) (currently testing 30% vs. 40%)
	summer	nighttime spill (60%)	24-hour spill (30%)	24-hour spill (30%) (currently testing 30% vs. 40%)
McNary	spring	nighttime spill (Gas Cap)	nighttime spill (Gas Cap)	24-hour spill (40%)
	summer	no spill	no spill	<sup>3</sup> testing 40% vs. 60% spill (currently at 50% spill)
Ice Harbor	spring	45 kcfs day/Gas Cap night	24-hour spill (20 kcfs)	Testing 30% vs. 45 kcfs day/Gas Cap night
	summer	45 kcfs day/Gas Cap night	45 kcfs day/Gas Cap night	Testing 30% vs. 45 kcfs day/Gas Cap night
Lower Monumental	spring	24-hour spill (Gas Cap)	24-hour spill (Gas Cap)	24-hour spill (Gas Cap)
	summer	no spill	no spill	<sup>3</sup> 24-hour spill (17 kcfs)
Little Goose	spring	nighttime spill (Gas Cap)	nighttime spill (Gas Cap)	24-hour spill (30%)
	summer	no spill	no spill	<sup>3</sup> 24-hour spill (30%)
Lower Granite	spring	nighttime spill (Gas Cap)	24-hour spill (20 kcfs)	24-hour spill (20 kcfs)
	summer	no spill	no spill	<sup>3</sup> 24-hour spill (18 kcfs)

1 – 2007 FCRPS Biological Assessment, Appendix Table A-10

2 – 2010 Spring and Summer Fish Operations Plans, 2010 Corps Administrative Record 00349 at 008244 and 01439 at 027729

3 – Summer 24-hour spill began in 2005 as part of the 2005 court order