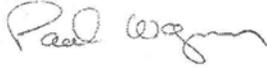


## **SYSTEM OPERATIONAL REQUEST: #2009-04**

*The following State, Federal, and Tribal Salmon Managers have participated in the preparation and support this SOR: NOAA Fisheries, US Fish and Wildlife Service, Oregon Department of Fish and Wildlife, the Shoshone-Bannock Tribes, the Columbia River Inter-Tribal Fish Commission.*

<b>TO:</b>	<b>Brig. General Thomas Rapp</b>	<b>COE-NWD</b>
	<b>James D. Barton</b>	<b>COE-Water Management</b>
	<b>Dan Feil</b>	<b>COE-RCC</b>
	<b>David Poganis</b>	<b>COE-P</b>
	<b>Col. Steven R. Miles</b>	<b>COE-Portland District</b>
	<b>LTC Michael Farrell</b>	<b>COE-Walla Walla District</b>
	<b>J. William McDonald</b>	<b>USBR-Boise Regional Director</b>
	<b>Stephen J. Wright</b>	<b>BPA-Administrator</b>
	<b>Greg Delwiche</b>	<b>BPA-PG-5</b>



**FROM:** Paul Wagner, Chairperson, Salmon Managers

**DATE:** July 28, 2009

**SUBJECT:** Dworshak Operations

### **SPECIFICATIONS:**

Immediately decrease the outflow temperature at Dworshak Dam to 40°F while still maintaining the 12 Kcfs outflow. If temperatures exceed 68°F at the Lower Granite Tailrace as an instantaneous value for three or more consecutive hours before Friday July 31, 2009 at 9am, then immediately increase outflows at Dworshak Dam to 14 Kcfs while still maintaining the 40°F outflow temperature. This recommendation will be reviewed on Friday July 31, 2009 at 9 a.m., and if necessary, further recommendations will be made.

### **JUSTIFICATION:**

The objective of this operation is to maintain temperatures at Lower Granite Dam that are below the water quality criteria of 68°F. Temperatures at the Lower Granite Tailrace are currently 67.6°F (9 a.m., July 28<sup>th</sup>, 2009). Current COE modeling suggests that the temperatures at the Lower Granite tailrace will remain below the 68°F water quality criteria, and actually recede below current levels. However, water temperatures at the Lower Granite tailrace appear to be increasing at the same time that forecasted air temperatures are expected to be very warm, warranting further intervention at Dworshak Dam.