Spokane River / Lake Spokane Dissolved Oxygen TMDL Implementation Activities Schedule - Updated - 3/23/11

Hatched cells represent critical milestones where permits are issued, delta plans are completed, and where TMDL and permits can first be modified based on alternate limits, BAP, and other trades yet to be identified.

				NPDES Cycle #1																							
Project	**Responsible Party**	**Description**	**Frequency or target date**	**2010**				**2011**				**2012**				**2013**				**2014**				**2015**			
WA NPDES Municipal Wastewater Permits				1st QTR	2nd QTR	3rd QTR	4th QTR	1st QTR	2nd QTR	3rd QTR	4th QTR	1st QTR	2nd QTR	3rd QTR	4th QTR	1st QTR	2nd QTR	3rd QTR	4th QTR	1st QTR	2nd QTR	3rd QTR	4th QTR	1st QTR	2nd QTR	3rd QTR	4th QTR
Permits Issued for public comment	Ecology - WQ Permit Unit	Release WA NPDES permits for public comment	Early October to mid November																								
Revise permits based on public comment - issue final permits	Ecology - WQ Permit Unit	Make revisions to permits - issue final permits	Issue permits by June 1, 2011																								
Engineering/Offset (Delta) Management Plans	**WA Dischargers**	**Develop Engineering/Offset Plans**	**January 2011 - 3rd QTR 2012**																								
Approval of Engineering/Offset Management Plan	**Ecology - WQ Permit Unit**	**Ecology approval of Engineering/Offset Plan**	**By 1st QTR 2013**																								
Install / Maintain Offsets / Technology	WA Dischargers	Installation and maintenance of technology and offsets following Ecology Approval	Start 2013 - No End																								
Eliminate X# CSO's	City of Spokane	Elimination of CSO's per agreement and permit	As per City WWTP NPDES schedule																								
Meet final permit limits (TMDL WLA's)	Dischargers	Compliance with final WQBELs	2nd/3rd QTR 2020																								
Alternate Limits																											
Modeling of January discharge	Ecology / EPA / PSU	Modeling of current discharges in January	1st QTR 2011																								
Modeling of alternate limits	Ecology / EPA / PSU	Modeling of alternate winter limits following stakeholder involvement	2nd QTR 2011																								
Evaluation of pilot treatment alternatives	Dischargers	Determination if alternate limits are warranted (during delta development)	1st QTR 2011 to 1st QTR 2013																								
Modify permits (if warranted) and TMDL based on additional modeling	Ecology	TMDL and permit amendment with public comment period	by 2nd QTR 2013 (completion of delta plan)																								
Bioavailability Study																											
Bioavailable Study Complete	UW/Dischargers	Completion and peer review of bioavailable phosphorus study for Ecology consideration.	1st QTR 2011																								
Ecology review/comment of bioavailability study	Ecology	Review/comment on final study	1st QTR 2011																								
Additional studies	Ecology / Dischargers	Perform additional studies as identified by UW report	by 4th QTR 2012																								
Additional sampling and modeling	Dischargers	Perform additional sampling of pilot systems and modeling to support additional studies	3rd QTR 2011 to 1st QTR 2013																								
Modify permits (if warranted) and TMDL based on additional studies	Ecology	TMDL and permit amendment with public comment period	by 2nd QTR 2013 (completion of delta plan)																								