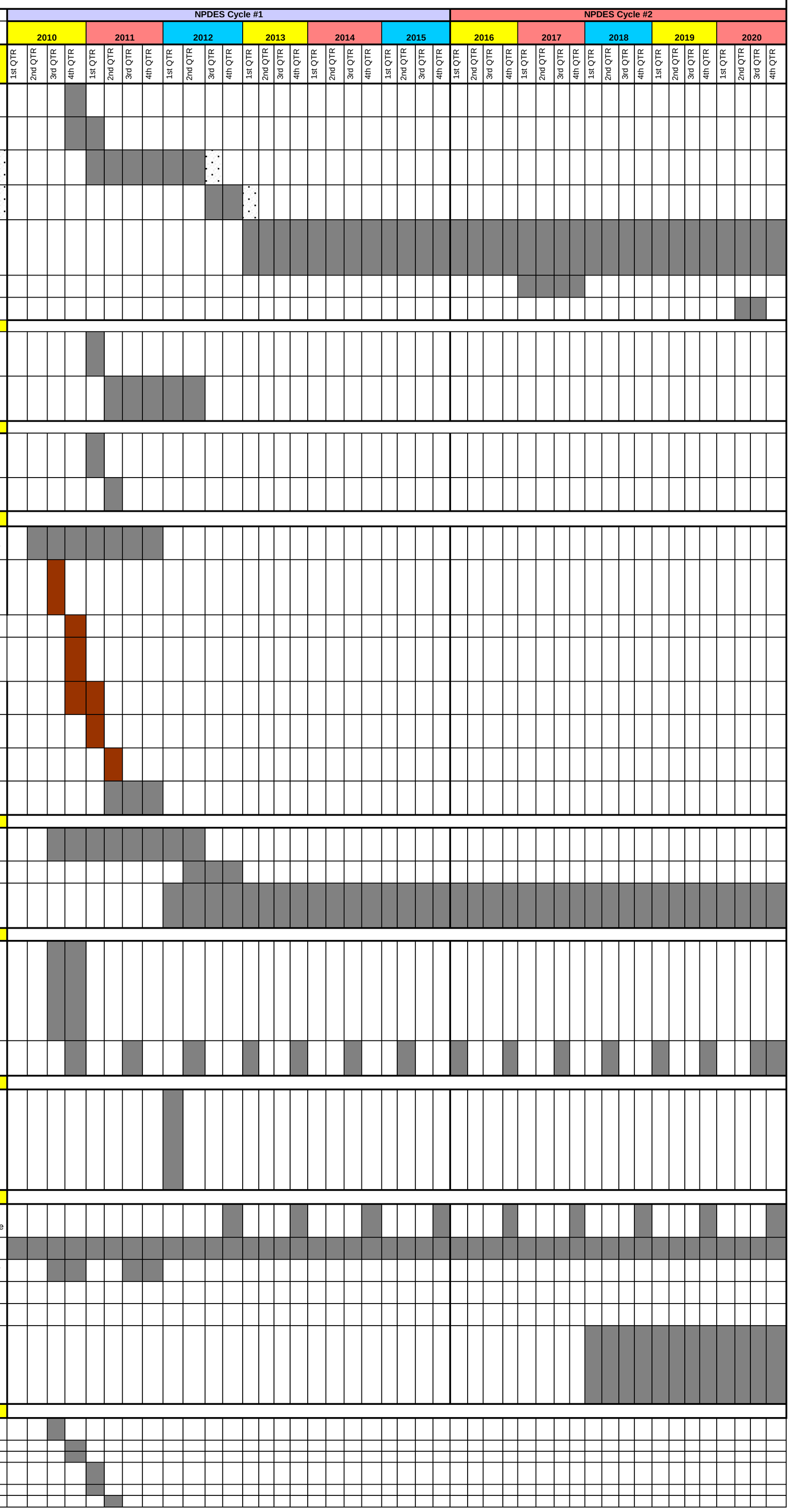
Spokane River / Lake Spokane Dissolved Oxygen TMDL Implementation Activities Schedule - Updated 12/8/10

Project	Responsible Party	Description	Frequency or target date
WA NPDES Municipal Wastewater Permits			
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	mid November - 1st QTR 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	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	2017?
Meet final permit limits (TMDL WLA's)	Dischargers	Compliance with final WQBELs	2nd/3rd QTR 2020
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/decision on incorporation into Engineering plan and 2nd cycle permits	2nd QTR 2012
Nonpoint Source Study			
Nonpoint Source Study Complete	Spokane County	Completion of regional nonpoint source study with BMP recommendations.	1st QTR 2011
Stakeholder review/comment of NPS study	SR Stakeholders	Review and comment of NPS study	2nd QTR 2011
Offset /Trading Framework			
Develop offset / trading framework	Ecology - WQ	Develop draft framework for initial stakeholder meeting	June 2010 to 4th QTR 2011
Develop "white paper"	*Ecology - WQ*	*Describes trading definitions, actions, rules and responsibilities - followed by stakeholder input*	*Late September 2010*
Determine eligible trades	*Ecology - WQ*	*With stakeholder input*	*Late November 2010*
Develop mock scenarios	*Ecology - WQ*	*Develop mock trades and apply draft framework (what we have to that point)*	*December 2010*
Identify eligible BMPs	*Ecology - WQ*	*Tied to NPS study, other studies, followed with stakeholder input*	*1st QTR 2011*
Quantify pollutant reductions	*Ecology - WQ*	*Tied to NPS study, other studies, followed with stakeholder input*	*1st QTR 2011*
Establish trading ratios	*Ecology - WQ*	*As BMPs are selected, followed with stakeholder input*	*2nd QTR 2011*
Complete offset/trading framework	Ecology - WQ	Completion of trading framework with all details in place.	2nd QTR 2011
Avista WQAP			
Develop WQAP	Avista	Develop water quality attainment plan as per 401 and TMDL.	By 2nd QTR 2012
Ecology approval of WQAP	Ecology - WQ	Ecology approves WQAP	By 4th QTR 2012
Maintain and monitor WQAP measures	Avista	Maintain practices and activities (BMPs) specified in WQAP - monitor effectiveness	Start 2013 - No End
Stakeholder Meetings			
Meeting announcement with draft framework / schedule / groundrules	Ecology - WQ	Develop and send out first meeting announcement with description of advisory committee and Ecology roles along with recommened offset approval framework and groundrules	By September 2010
Stakeholder Meetings	Ecology - WQ	Regular meetings (voluntary) to discuss/share information	Every 2 QTR starting October 2010 or as-needed
NPDES Stormwater Permits			
Installation of stormwater program components for Phase II Permitees	Phase II Permittees (Spokane, Spokane County, Spokane Valley, WSDOT)	Municipal stormwater permit has numerous deadlines for permittees. These requirements must account for additional specific requirements described in the TMDL (mostly monitoring).	Variable; most permit requirements need to be in place by 1st QTR 2012
10 - Year Assessment			
Yearly modeling	Ecology - EAP	Once / Year, 4th QTR starting in 2012	Modeling run to determine DO profiles in Lake Spokane
Monthly ambient monitoring	Ecology - EAP	Regular river station monitoring	Once / month at Spokane River Stations
In-lake monitoring	Ecology - EAP/Avista	Lake Spokane sampling	10 events in 2010 and 2011 (May - October)
Discharger reporting	Dischargers	DMR reporting as per permit	As specified in permit
Avista WQAP reporting	Avista	Progress on WQAP as per 401	As specified in permit
10 - Year Assessment	Ecology - EAP/WQ	Assessment of DO and phosphorus in Spokane River / Lake Spokane consideirng yearly monitoring reports, Avista WQAP results, DMRs, and monitoring.	2018 - 2020
Idaho NPDES Permits			
Send to IDEQ for draft 401 certs	EPA		3rd QTR 2010
Receive draft 401 Certs	EPA		4th QTR 2010
Public comment period	EPA	10/25 - 12/28/10	4th QTR 2010
Send to IDEQ for final 401 Certs	EPA/IDEQ		1st QTR 2011
Receive final 401 Certs	EPA	By March 1, 2011	1st QTR 2011
Issue final permits	EPA	By April 1, 2011	2nd QTR 2011