

MOFFAT 401 Certification					
Water Quality Parameter		Temperature	Nutrients	Aquatic Life	Metals
Geographic Scope		Fraser River (FR) Basin [Condition #1 through #5]	Fraser River (FR) Basin [Condition #8 and #9]	Fraser River Basin [Condition #10 and #11]	Williams Fork (WF), Vasquez Creek (VC), Fraser River (FR) [Condition #14 and #15]
Monitoring	Sites	Real Time at: (i) FR below Crooked Cr near Tabernash (USGS gage 09033300); (ii) Ranch Cr near Fraser, CO (USGS gage 09032000); (iii) Ranch Cr below Meadow Cr. (USGS gage 09033100) Data Logger at: (i) FR at Rendezvous Bridge (GCWIN site FR-Rendezvous); (ii) St. Louis Cr above FR confluence (GCWIN site ST-LC) *Temperature monitoring will occur May - September only.	Monthly at: (i) FR below Buck Cr at Winter Park (USGS gage 09023750); (ii) FR at Winter Park (USGS gage 09024000); (iii) FR below Vasquez Cr at Winter Park (USGS gage 09025010); (iv) Vasquez Cr at Winter Park (USGS gage 09025000) *Analysis will include: Total Phosphorus and Total Nitrogen	Annually at: (i) FR above Winter Park SD (GCWIN site FR-abvWPSD); (ii) FR at Rendezvous Bridge (GCWIN site FR-Rendezvous); (iii) FR at Tabernash below bridge on CR83 (GCWIN site FR-CR83); (iv) Vasquez at Winter Park (GCWIN site VC-WP)	Monthly (except for where winter conditions prevent access) at: (i) WF above bridge at Sugarloaf Campground (DW Site WS-WF-004); (ii) VC above Vasquez Tunnel outfall (DW Site WS-WF-001); (iii) VC at Winter Park (USGS gage 09025000); (iv) FR below Buck Creek at Winter Park (USGS gage 09023750); (v) FR at Winter Park (USGS gage 09024000); (vi) FR below Vasquez Creek (USGS gage 09025010); (vii) FR above Ranch Cr (USGS gage 09027100) *Analysis will include: Total recoverable metals, dissolved metals, and hardness
	Start	Within 1 yr of 404 Permit or FERC license amendment, whichever is later.	By the date of issuance of the 404 Permit or FERC license amendment, whichever is later.	In the fall, beginning after the issuance of the 404 Permit or FERC license amendment, whichever is later.	No later than the date of issuance of the 404 Permit or FERC license amendment, whichever is later.
	Duration	At least 5 yrs after the Project is fully operational.	At least 5 yrs after the Project is fully operational.	At least 5 yrs after Project is fully operational.	At least 5 yrs after Project is fully operational.
Additional Studies	Description	Until the Project is operational, conduct Voluntary Pilot Project (VPP) to evaluate the temperature benefits of the bypass flows on the Fraser River Basin (i.e. Ranch Creek, Fraser mainstem, and/or St. Louis Creek). Once the Project is fully operational, Denver Water will bypass up to 1,000 AF of environmental bypass water.	Study of alternatives for Winter Park WSD to meet Regulation 85 nutrient limits with conceptual level costs.	N/A	N/A
	Start	By the date of issuance of the 404 Permit or FERC license amendment, whichever is later.	Within 1 year of 404 Permit or FERC license amendment, whichever is later.	N/A	N/A
	Duration	During the Interim Period which ends when the Project becomes operational. *IF or UNTIL a de minimis effect determination is made by LBD, the Division must agree to the conclusion before the bypass flows are discontinued during the Interim Period.	Until the Division agrees with DW and LBD that bypass flows have a de minimis effect.	N/A	N/A
	Operations	Bypass up to 250 cfs between July 15 - Aug 31 in response to temperature action levels.	N/A	N/A	N/A
Annual Reporting	Start		Data will be submitted annually along with a Monitoring Report documenting any exceedances of nutrient standards by April 1.	A report assessing the data (raw data and MMI scores) and documenting any impairment of aquatic life is due by June 1.	Data will be submitted annually along with a Monitoring Report documenting any exceedances of standards by April 1.
	Duration	At least 5 yrs after the Project is fully operational.	At least 5 yrs after the Project is fully operational.	At least 5 yrs after the Project is fully operational.	At least 5 yrs after the Project is fully operational.
Investigation Report	(only if impairment)	Impairment Investigation Report due within 12 months after the impairment has been detected.	Impairment Investigation Report due within 12 months after the impairment has been detected.	Impairment Investigation Report due within 12 months after the impairment has been detected.	Impairment Investigation Report due within 12 months after the impairment has been detected.
Category Plan	4b (if Project operations are responsible for impairment, as determined by the Division)	Category 4b Plan due within 2 years from when the Division determines a plan is applicable.	Category 4b Plan due within 2 years from when the Division determines a plan is applicable.	Category 4b Plan due within 2 years from when the Division determines a plan is applicable.	Category 4b Plan due within 2 years from when the Division determines a plan is applicable.
Other	N/A	N/A	N/A	*A Sampling Analysis Plan for collection and	N/A