

Attachment A: Summary of Facilities Permitted under 2013-Issued GP

<u>Permit</u>	<u>Facility</u>	<u>Lagoon Type</u>	<u>Design Flow</u>	<u>Months with Discharge</u>		<u>Receiving Water Name</u>
				<u>Avg # Mo/Yr</u>	<u>Avg# Days/Mo</u>	
<u>BATCH</u>						
<u>Very Small</u>						
MTG580026	Outlook	facultative	0.01	0	0	Plentywood Creek
MTG580022	Brady	facultative	0.01	0	0	Ephemeral Ditch
MTG580013	Lavina	facultative	0.02	0	0	Musselshell
MTG580025	Fallon	facultative	0.03	0	0	Ditch to Yellowstone River
MTG580024	Medicine Lake	facultative	0.03	1-2	25	Ditch to Medicine Lake
MTG580028	Froid	facultative	0.04	0	0	Sheep Creek
MTG580019	Fort Peck	facultative	0.05	1	22	Missouri River
MTG580034	Nashua	facultative	0.05	1	4	Milk River
MTG580033	Fromberg	aerated	0.06	2	23	Clarks Fork Yellowstone
MTG580012	Saco	facultative	0.07	2	17	Beaver Creek
MTG580002	Drummond	facultative	0.08	0	0	Clark Fork River
MTG580015	Broadus	facultative	0.10	2-3	19	Wetlands (dry oxbow Powder River)
<u>Small</u>						
MTG580003	Fairfield	facultative	0.11	7 --> none	31 --> 0	Ditch to Freezeout Lake
MTG580016	Geraldine	facultative	0.12	6	19	Ditch to Flat Creek
MTG580037	Wibaux	aerated	0.13	0	0	Field to Intermittent
MTG580011	Darby	facultative	0.15	2	20	West Channel Bitterroot River
MTG580017	Terry	facultative	0.17	8	11	Ditch (to Yellowstone)
MTG580008	Plentywood	facultative	0.29	2	22	Big Muddy Creek
MTG580029	Baker	facultative	0.35	1	22	Sandstone Creek
<u>CONTINUOUS</u>						
MTG580007	Park City	aerated	0.14	12	NA	Ditch (to Yellowstone)
MTG580035	Thompson Falls	aerated	0.14	12	NA	Clark Fork River
MTG580038	Troy	aerated	0.15	12	NA	Kootenai River
MTG580004	Montana State Hospital	facultative	0.28	12	NA	Warm Springs Creek/channel
MTG580032	Eureka	aerated	0.35	10-11	NA	Coulee to Tobacco River
MTG580020	Townsend	aerated	0.60	12	NA	Missouri River

Attachment B: Applicable Nutrient Criteria

Permit	Facility	Receiving Waterbody Name	Seasonal 14Q5 cfs	Ecoregion		CRITERIA (mg/L)		If no Criteria, Impaired?	RP?	Conclusion
						TN	TP			
MTG580004	Montana State Hospital	Warm Springs Creek/channel (to Clark Fork River)	Unknown	#17	Middle Rockies	0.30	0.03	NA	Yes, assuming 14Q5 = 0	Requires variance request; therefore, an individual permit application will be required.
MTG580007	Park City	Vandenberg Drain Ditch (to Yellowstone River)	Unknown	#43(n)	Northwestern Great Plains	1.3	0.15	NA	Yes, assuming 14Q5 = 0	Requires variance request; therefore, an individual permit application will be required.
MTG580020	Townsend	Missouri River to Canyon Ferry Reservoir	1420	#17	Middle Rockies	NA ⁽¹⁾	NA ⁽¹⁾	Yes	NA	Downstream nutrient impairment @ Canyon Ferry - requires cap at current performance year round and conducting an optimization plan (See VII.B.# of this Fact Sheet).
MTG580032	Eureka	Coulee to Tobacco River	56.1	#15	Northern Rockies	0.28	0.025	NA	Yes	Requires variance request; therefore, an individual permit application will be required.
MTG580035	Thompson Falls	Clark Fork River	6368	#15	Northern Rockies	NA ⁽²⁾	NA ⁽²⁾	No	NA	No limit needed.
MTG580038	Troy	Kootenai River	3754	#15	Northern Rockies	NA ⁽³⁾	NA ⁽³⁾	No	NA	No limit needed.

Footnote: NA = Not applicable.

(1) The Missouri River is a large river that does not currently have criteria. Furthermore, Townsend's discharge is directly above Canyon Ferry Reservoir which does not yet have criteria.

(2) The Kootenai River from the Libby Dam to the state line is a large river that does not currently have criteria.

(3) The Clark Fork River (past the confluence with the Bitterroot River) is a large river that does not currently have criteria.

Attachment C: Evaluation of Ammonia and Nitrate+Nitrite RP

Permit	Facility	Receiving Waterbody Name	RP to Exceed Ammonia Standard (Acute and/or Chronic)?	RP to Exceed Nitrate+Nitrite Standard?	Conclusion
MTG580004	Montana State Hospital	Warm Springs Creek/channel (to Clark Fork River)	Yes RP to exceed both acute & chronic standards as there is no dilution granted.	No No RP.	Need individual permit application to develop limits for ammonia.
MTG580007	Park City	Vandenberg Drain Ditch (to Yellowstone River)	Yes RP to exceed both acute & chronic standards as there is no dilution granted.	Yes RP to exceed the human health standard as there is no dilution granted.	Need individual permit application to develop limits for ammonia and for nitrate+nitrite.
MTG580020	Townsend	Missouri River to Canyon Ferry Reservoir	No No RP with Alternate MZ.	No No RP with Standard MZ (RP to exceed with no MZ).	Need standard MZ request for nitrate + nitrite.
MTG580032	Eureka	Coulee to Tobacco River	No No RP with Standard MZ (there is RP to exceed acute standard with Alternate MZ).	No No RP with Standard MZ (RP to exceed with no MZ).	Need standard MZ request for ammonia and nitrate + nitrite.
MTG580035	Thompson Falls	Clark Fork River	No No RP with Alternate MZ.	No No RP.	No RP - so no WQBELs are needed.
MTG580038	Troy	Kootenai River	No No RP with Alternate MZ.	No No RP with Standard MZ (RP to exceed with no MZ).	Need standard MZ request for nitrate + nitrite.

Footnote: NA = Not applicable.