

Form 2C NPDES

Figure 3 – Rocky Reach Dam Sample Location

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Dept of Ecology
Central Regional Office

*PUD No. 1 of Chelan County
PO Box 1231
Wenatchee, WA 98807*

Rocky Reach Hydroelectric Project

Figure 3 - Rocky Reach Dam Sample Location

Discharge Name	Primary Feature	Avg. GPD	Max. GPD	Sample Port Physical location
RR01	Unit C-1 (Thrust and Generator Cooling)	1,419,002	3,024,480	Unit C-5 Southside Generator/thrust cooler discharge, Elev. 630'
RR02	Unit C-2 (Thrust and Generator Cooling)	1,419,002	3,024,480	
RR03	Unit C-3 (Thrust and Generator Cooling)	1,419,002	3,024,480	
RR04	Unit C-4 (Thrust and Generator Cooling)	1,419,002	3,024,480	
RR05	Unit C-5 (Thrust and Generator Cooling)	1,419,002	3,024,480	
RR06	Unit C-6 (Thrust and Generator Cooling)	1,419,002	3,024,480	
RR07	Unit C-7 (Thrust and Generator Cooling)	1,419,002	3,024,480	
RR08	Unit C-8 (Thrust and Generator Cooling)	1,064,542	2,536,286	Unit C-8 Southside Generator/thrust cooler discharge, Elev. 630' (this discharge was not sampled because unit was down for maintenance)
RR09	Unit C-9 (Thrust and Generator Cooling)	1,064,542	2,536,286	
RR10	Unit C-10 (Thrust and Generator Cooling)	1,064,542	2,536,286	
RR11	Unit C-11 (Thrust and Generator Cooling)	1,064,542	2,536,286	
RR12	Plant HVAC S1	288,000	470,880	West side of C-3, Generator Floor, Elev. 648' (this discharge was not sampled because it is seasonal and the HVAC was not in use)
RR13	Plant HVAC S2	288,000	470,880	
RR14	Plant HVAC S3	288,000	470,880	
RR15	Plant HVAC S4	288,000	470,880	
RR16	Plant HVAC S15	288,000	470,880	
RR17	Plant HVAC S16	288,000	470,880	
RR18	Unwatering Sump Pump 1	96,000	96,000	Unwatering Pump Room, Discharge of Pump 1, Elev. 611' - normally only used when unwatering units or fishway
RR19	Unwatering Sump Pump 2	96,000	96,000	
RR20	Station Sump Unwatering Pump Discharge	876,228	1,457,143	Dewatering tunnel, prior to flow into station sump, Elev. 564'
RR21	Office HVAC	136,945	164,160	Downstream wall, service bay, Elev. 630'

Note: Unit flows were averaged between units of same type (C1-C7, C8-C11).
Station Sump Pump Calculations from calendar year 2018
Office HVAC - averaged over 1 year

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