

MT. SHASTA WASTEWATER TREATMENT PLANT

CALCULATION OF MANDATORY MINIMUM PENALTIES

(Data reported under Monitoring and Reporting Program No. R5-2012-0086 and R5-2017-0117)

**Table 1: EFFLUENT LIMITATION VIOLATIONS – MONITORING LOCATION EFF-001**

Violation Date	Parameter	Units	Condition	Final Effluent Limit	Reported Value	Violation Type	CIWQS ID	MMP Amount
2/28/2017	BOD (5-day)	% Removal	Average Monthly	85	83.75	Non-serious	1027018	N/A
11/30/2017	Copper	ug/L	Average Monthly	9.1	19.9	Serious, Group II	1037600	\$3,000
11/30/2017	Zinc	ug/L	Average Monthly	12.9	17.4	Serious, Group II	1037602	\$3,000
11/30/2017	Total Suspended Solids	mg/L	Average Monthly	30	32	Non-serious	1050302	N/A
12/01/2017	Copper	ug/L	Maximum Daily	19.3	24.7	Serious, Group II	1037537	\$3,000
12/31/2017	Copper	ug/L	Average Monthly	9.1	24.7	Serious, Group II	1037539	\$3,000
12/31/2017	Zinc	ug/L	Average Monthly	12.9	13.4	Non-serious	1037540	\$3,000
12/31/2017	BOD (5-day)	mg/L	Average Monthly	30	35	Non-serious	1037541	\$3,000
12/31/2017	BOD (5-day)	% Removal	Average Monthly	85	80	Non-serious	1037542	\$3,000
12/31/2017	Total Suspended Solids	mg/L	Average Monthly	30.0	36.4	Non-serious	1037538	\$3,000
1/05/2018	Copper	ug/L	Daily Maximum	19.3	40.4	Serious, Group II	1039051	\$3,000

<b>Violation Date</b>	<b>Parameter</b>	<b>Units</b>	<b>Condition</b>	<b>Final Effluent Limit</b>	<b>Reported Value</b>	<b>Violation Type</b>	<b>CIWQS ID</b>	<b>MMP Amount</b>
1/06/2018	BOD (5-day)	mg/L	Average Weekly	45	49.1	Non-serious	1039049	\$3,000
1/13/2018	BOD (5-day)	mg/L	Average Weekly	45	53.0	Non-serious	1039046	\$3,000
1/31/2018	Copper	ug/L	Average Monthly	9.1	40.4	Serious, Group II	1039048	\$3,000
1/31/2018	Zinc	ug/L	Average Monthly	12.9	25.4	Serious, Group II	1039050	\$3,000
1/31/2018	BOD (5-day)	mg/L	Average Monthly	30	51.05	Serious, Group I	1039045	\$3,000
1/31/2018	BOD (5-day)	% Removal	Average Monthly	85	65.25	Non-serious	1039044	\$3,000
1/31/2018	Total Suspended Solids	mg/L	Average Monthly	30	37.8	Non-serious	1039047	\$3,000
11/28/2018	Copper, Total Recoverable	µg/L	Maximum Daily	18.5	33.3	Serious, Group II	1054511	\$3,000
11/30/2018	BOD (5-day)	mg/L	Average Monthly	30	37.9	Non-serious	1054510	N/A
11/30/2018	BOD (5-day)	% Removal	Average Monthly	85	75	Non-serious	1054513	N/A
11/30/2018	Copper, Total Recoverable	µg/L	Average Monthly	10.0	33.3	Serious, Group II	1054512	\$3,000
12/06/2018	Copper, Total Recoverable	µg/L	Maximum Daily	18.5	33.9	Serious, Group II	1055202	\$3,000
12/31/2018	Copper, Total Recoverable	µg/L	Average Monthly	10.0	33.9	Serious, Group II	1055203	\$3,000
1/03/2019	Copper, Total Recoverable	µg/L	Maximum Daily	18.5	31.1	Serious, Group II	1055730	\$3,000

<b>Violation Date</b>	<b>Parameter</b>	<b>Units</b>	<b>Condition</b>	<b>Final Effluent Limit</b>	<b>Reported Value</b>	<b>Violation Type</b>	<b>CIWQS ID</b>	<b>MMP Amount</b>
1/31/2019	BOD (5-day)	% Removal	Average Monthly	85	81	Non-serious	1055731	\$3,000
1/31/2019	Copper, Total Recoverable	µg/L	Average Monthly	10.0	31.1	Serious, Group II	1055729	\$3,000
2/11/2019	Copper, Total Recoverable	µg/L	Maximum Daily	18.5	28.1	Serious, Group II	1056861	\$3,000
2/28/2019	BOD (5-day)	% Removal	Average Monthly	85	74	Non-serious	1056860	\$3,000
2/28/2019	Copper, Total Recoverable	µg/L	Average Monthly	10.0	28.1	Serious, Group II	1056862	\$3,000
3/31/2019	Copper, Total Recoverable	µg/L	Average Monthly	10.0	16.6	Serious, Group II	1057617	\$3,000
4/30/2019	Copper, Total Recoverable	µg/L	Average Monthly	10.0	17.8	Serious, Group II	1059067	\$3,000
11/30/2019	Copper, Total Recoverable	µg/L	Average Monthly	10.0	17.5	Serious, Group II	1068344	\$3,000
12/31/2019	Copper, Total Recoverable	µg/L	Average Monthly	10.0	17.1	Serious, Group II	1069378	\$3,000
1/13/2020	Copper, Total Recoverable	µg/L	Maximum Daily	18.5	22.2	Non-serious	1070872	N/A
1/31/2020	Copper, Total Recoverable	µg/L	Average Monthly	10.0	22.2	Serious, Group II	1070875	\$3,000
2/04/2020	Copper, Total Recoverable	µg/L	Maximum Daily	18.5	28.6	Serious, Group II	1071818	\$3,000
2/29/2020	Copper, Total Recoverable	µg/L	Average Monthly	10.0	28.6	Serious, Group II	1071819	\$3,000
3/10/2020	Copper, Total Recoverable	µg/L	Maximum Daily	18.5	18.7	Non-serious	1073036	\$3,000

Violation Date	Parameter	Units	Condition	Final Effluent Limit	Reported Value	Violation Type	CIWQS ID	MMP Amount
3/31/2020	Copper, Total Recoverable	µg/L	Average Monthly	10.0	18.7	Serious, Group II	1073035	\$3,000
5/31/2020	Copper, Total Recoverable	µg/L	Average Monthly	10.0	10.2	Serious, Group II	1075794	\$3,000
							<b>Total</b>	<b>\$108,000</b>

Notes: Serious Group I: any waste discharge that exceeds the effluent limitations for a group I pollutant by 40% or more.  
 Serious Group II: any waste discharge that exceeds the effluent limitations for a group II pollutant by 20% or more.  
 Non-Serious Violation: A non-serious violation will be subject to MMPs if the discharger does any one of the following four or more times in any period of 180 days:

- (a) violates a WDR effluent limitation;
- (b) fails to file a report of waste discharge pursuant to California Water Code section 13260;
- (c) files an incomplete report of waste discharge pursuant to California Water Code section 13260; or
- (d) violates a whole effluent toxicity limitation where the WDRs do not contain pollutant-specific effluent limitations for any toxic pollutants.