



Trigger Inspection Report

This report summarises the monitoring required under Consent Condition SED.11(b) and relevant Project Management Plans.

Event Summary	
Trigger exceeded: 25mm over 24-hours	
Date	17/09/2024
Time	8:40am
Trigger exceeded: >50 NTU	
Mimi	17/09/2024 12:50:05 am
Mangapepeke	17/09/2024 01:35:06 am
Rainfall Summary	
<p>The rainfall summary section contains two charts. The top chart is a bar graph showing hourly rainfall in mm for Monday 16 Sep 2024 and Tuesday 17 Sep 2024. The y-axis ranges from 0 to 7 mm. Significant rainfall is shown on Monday, with peaks around 6 mm. The total rainfall for the 24-hour period is 26.4 mm. The bottom chart is a line graph showing 'Rain - Rolling Totals' in mm. The y-axis ranges from 0 to 30 mm. It shows a purple line for the 24-hour rolling total and an orange line for the 1-hour rolling total. The 24-hour total reaches 26.4 mm by Tuesday morning. A 24-hour alert threshold is set at 25 mm and a 1-hour alert threshold at 15 mm. A legend on the right provides summary statistics: Rain 1 hour: min 0.0, avg 1.1, max 7.4; Rain 24 hours: min 0.0, avg 17.8, max 26.4.</p>	
Visual Inspection	
SED.11 b (i)	
Area	Comments
Mimi Stream	As expected for the rainfall
Mangapepeke Stream	As expected for the rainfall
SRP-1	SRP working well, no concerns
SRP-6D	SRP working well, no concerns
SCY-SRP	SRP working well, no concerns
SRP4700E	SRP working well, no concerns
SRP-F13	SRP working well, no concerns
DEB-F13	SRP working well, no concerns
DEB-3980E	SRP working well, no concerns
DEB 12-1	SRP working well, no concerns
SRP-2920N	SRP working well, no concerns
SRP-3180S	SRP working well, no concerns



Manual Sampling: ESC Devices

SED.11b (ii)

Device Name	pH		NTU		Discharging?
	<i>Inlet</i>	<i>Outlet</i>	<i>Inlet</i>	<i>Outlet</i>	
SRP-1	7.52	7.34	91.8	16.29	Yes
SRP-6D	7.13	7.53	338	39.9	Yes
SCY-SRP	7.58	7.77	38.5	13.31	Yes
SRP-4700E	7.78	7.74	396	28.3	Yes
SRP-F13	7.68	7.61	315	24.1	Yes
DEB-F13	7.7	7.61	642	46.4	Yes
DEB-3980E	7.72	7.78	511	20.9	Yes
DEB 12-1	7.73	7.58	433	77.5	Yes
SRP-2920N	8.05	7.99	862	12.11	Yes
SRP-3180S	8.08	8	944	32.1	Yes
SRP-02	7.67	7.62	797	73.3	Yes

Comments

All ponds met the discharge threshold, apart from SRP SCY which was discharging at >100mm clarity.

In-Stream Sampling (WQ1 - WQ5)

SED.11b (iii)

In-stream samples are collected at the earliest convenience, once water levels recede and it is safe to do so. Samples are analysed at an accredited third-party laboratory.

Location	NTU	pH	TSS (g/m ³)
WQ3 (Mimi Upstream)	80	7.1	310
WQ4 (Mimi Control)	320	7.0	2900
WQ5 (Mimi Downstream)	210	7.0	1080
WQ1 Mangapepeke Upstream	3.1	7.3	4
WQ2b Mangapepeke Downstream	168	7.2	350

Comments

There is a significant percentage change between the upstream and downstream Mangapepeke Stream samples. We do not believe this is reflective of the trigger event at the time the in-stream bottle should have been filled up and may be the result of an earlier rain event, prior to the trigger. The TRC Compliance Officer was on site at the time of the trigger inspection, and it was noted that the upstream water quality was slightly turbid.



Sediment Deposition Monitoring

SED.11b (iv)

Sediment deposition data is collected once it is safe to do so. All measurements are in mm. Data collected on 18/09/2024.

Measured 18/09/2024	Baseline	Stake top to ground level	Variation from previous reading	Variation from baseline (+ or -)
ST1(1)	906	935	-2	-29
ST1(2)	928	937	-4	-9
ST1(3)	923	903	7	20
ST1(4)	926	894	14	32
ST1(5)	900	923	-18	-23
ST1 (ave)	917	918	-1	-2
ST2(1)	1160	1147	3	13
ST2(2)	1190	1168	13	22
ST2(3)	1295	1277	-8	18
ST2(4)	1323	1307	9	16
ST2(5)	1290	1280	-2	10
ST2(ave)	1252	1236	3	16
ST3(1)	1133	1118	-2	15
ST3(2)	1090	1022	2	68
ST3(3)	1131	1150	1	-19
ST3(4)	1142	1109	6	33
ST3(5)	1100	1093	3	7
ST3(6)	1222	1235	2	-13
ST3(7)	1380	1395	-12	-15
ST3(ave)	1171	1160	0	11
ST4(1)	1240	1233	-3	7
ST4(2)	1272	1369	-104	-97
ST4(3)	1204	1184	6	20
ST4(4)	1342	1323	0	19
ST4(5)	1280	1258	-25	22
ST4(6)	1243	1241	-3	2



ST4(ave)	1264	1268	-22	-5
ST5(1)	965	939	-8	26
ST5(2)	979	921	-2	58
ST5(3)	1100	1079	-7	21
ST5(4)	1360	1326	2	34
ST5(5)	1223	1189	-30	34
ST5(6)	1391	1367	3	24
ST5(ave)	1170	1137	-7	33