



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 | 29/11/2023 | Time | 1:00am |
|------|------------|------|--------|

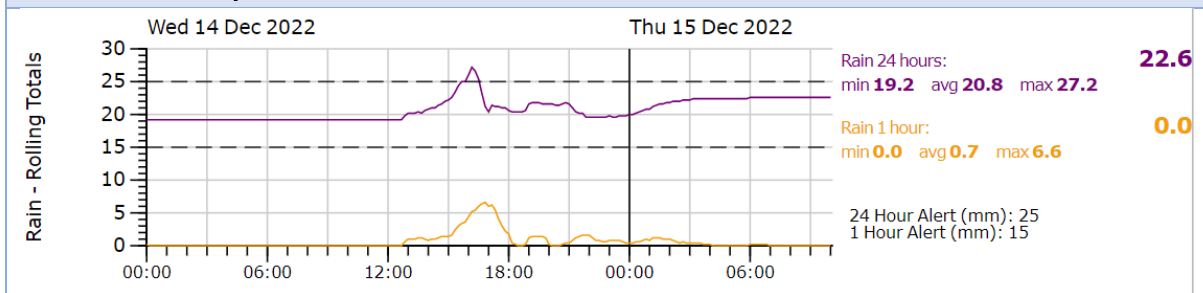
Trigger exceeded: >50 NTU

| | | | |
|------|--|------|--|
| Date | | Time | |
|------|--|------|--|

| | | | |
|------|--|------|--|
| Date | | Time | |
|------|--|------|--|

NTU Exceeded at: Downstream Mimi Downstream Mangapepeke

Rainfall Summary



Visual Inspection

SED.11b (i)

| Area | Comments |
|--------------------|--|
| Mimi Stream | No concerns, stream did not reach NTU trigger levels |
| Mangapepeke Stream | No concerns, stream did not reach NTU trigger levels |
| SRP-1 | No concerns |
| SRP-6D | No concerns |
| SCY-SRP | No concerns |
| SRP4600E | No concerns |
| DEB4600E | No concerns |
| DEB-F14 | No concerns |
| DEB-F13-1 | No concerns |
| DEB-F12-1 | No concerns |

Manual Sampling: ESC Devices

SED.11b (ii)

| Device Name | pH | | NTU | | Discharging? |
|-------------|-------|--------|-------|--------|--------------|
| | Inlet | Outlet | Inlet | Outlet | |
| SRP-1 | 7.93 | 7.96 | 46.9 | 14.98 | |
| SCY-SRP | 8.37 | 8.17 | 41.5 | 3.95 | |
| SRP-6D | 7.83 | 7.82 | 60.6 | 42.8 | |
| SRP4700E | 8.75 | 7.75 | 45.1 | 45.1 | |
| DEB-F14 | 8.24 | 8.17 | 12.25 | 6.14 | |

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 | 65 | 7.1 | 112 |
| WQ4 Mimi Control | 51 | 7.2 | 158 |
| WQ5 Mimi Downstream | 66 | 7.2 | 98 |
| WQ1 Mangapepeke Upstream | 115 | 7.0 | 400 |
| WQ2b Mangapepeke Downstream | - | - | - |

Comments

WQ2b sampler did not fill up during this event.

The NTU management threshold for Mimi discharge has been exceeded. The NTU has an increase of 25%, however the TSS results indicate a reduction of 47%. Due to the NTU levels being low and no issues recorded on site we do not believe this is attributed to our works.

Sediment Deposition Monitoring

SED.11 b (iv)

Sediment deposition data is collected once it is safe to do so. All measurements are in mm. Data collected on 29/11/2023

| Measured 29/11/2023 | Baseline | Stake top to ground level | Variation from previous reading | Variation from baseline (+ or -) |
|---------------------|----------|---------------------------|---------------------------------|----------------------------------|
| ST1(1) | 906 | 935 | 1 | -29 |
| ST1(2) | 928 | 930 | 2 | -2 |
| ST1(3) | 923 | 897 | 0 | 26 |
| ST1(4) | 926 | 918 | -7 | 8 |
| ST1(5) | 900 | 909 | 14 | -9 |
| ST1 (ave) | 917 | 918 | 2 | -1 |
| ST2(1) | 1160 | 1155 | 100 | 5 |
| ST2(2) | 1190 | 1184 | 2 | 6 |
| ST2(3) | 1295 | 1234 | -69 | 61 |
| ST2(4) | 1323 | 1307 | 1 | 16 |
| ST2(5) | 1290 | 1297 | -4 | -7 |
| ST2(ave) | 1252 | 1235 | 6 | 16 |
| ST3(1) | 1133 | 1132 | -2 | 1 |
| ST3(2) | 1090 | 1068 | 89 | 22 |
| ST3(3) | 1131 | 1165 | -22 | -34 |
| ST3(4) | 1142 | 1125 | 0 | 17 |
| ST3(5) | 1100 | 1110 | -7 | -10 |
| ST3(6) | 1222 | 1196 | 42 | 26 |
| ST3(7) | 1380 | 1308 | 73 | 72 |
| ST3(ave) | 1171 | 1158 | 25 | 13 |



| | | | | |
|----------|------|------|-----|----|
| ST4(1) | 1240 | 1237 | -8 | 3 |
| ST4(2) | 1272 | 1258 | -14 | 14 |
| ST4(3) | 1204 | 1186 | -15 | 18 |
| ST4(4) | 1342 | 1322 | -7 | 20 |
| ST4(5) | 1280 | 1276 | -26 | 4 |
| ST4(6) | 1243 | 1242 | -4 | 1 |
| ST4(ave) | 1264 | 1254 | -12 | 10 |
| ST5(1) | 965 | 959 | -6 | 6 |
| ST5(2) | 979 | 943 | -7 | 36 |
| ST5(3) | 1100 | 1061 | 2 | 39 |
| ST5(4) | 1360 | 1366 | 5 | -6 |
| ST5(5) | 1223 | 1187 | 2 | 36 |
| ST5(6) | 1391 | 1372 | 3 | 19 |
| ST5(ave) | 1170 | 1148 | 0 | 22 |