



FOR A BETTER WORLD

126 Andrews Road,
Penrith NSW 2750
Australia
T 13 8479

Water Monitoring Data Report

The table summarises the results of testing carried out on the water ponds for the 2020/21 reporting period.

Site: Visy Recycling (PH Penrith Operations Pty Ltd), Penrith NSW

Licence No: 20381

Tester: ALS Environmental Sydney

Report Nos:	Test dates
ES2106952	26/02/2021
ES2109980	19/03/2021
ES2125092	08/07/2021
ES2127467	27/07/2021
ES2130809	24/08/2021

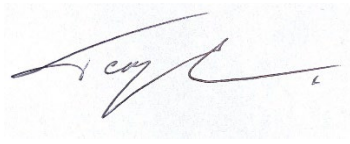
Table: Summary of Average Emission Test Results

Pollutant	Unit of measure	Concentration limit	Pond 1 Results	Pond 2 Result	Compliance
Ammonia	Milligrams per litre	1	0.17	0.14	Yes
BOD	Milligrams per litre	10	16	14.6	No
pH	pH	6.5<>8.5	7.84	7.27	Yes
Total suspended solids	Milligrams per litre	50	82	67.4	No

The concentration limits for BOD and Total suspended solids were exceeded. The cause is possible leachate from glass cullet stockpiles; however, the site has maintained high stock turnover that reduces degradation of organic matter resulting in leachate. Silt build-up in the bottom of the earthen dams (ponds) contributes to suspended solids during a rain event. Warm shallow water and seasonal changes contribute to algae growth in ponds contributing to elevated BOD.

Actions taken included high stockpile turnover to reduce degradation of organics; a first-flush system to divert the first 10mm of run-off to the sewer system; water in the ponds was removed by pumping to the first-flush tank; the ponds were dug out twice during the year to remove silt build-up and reduce algae growth.

Other results comply with the Environmental Protection Licence emission limits.



Verified by:

Terry Cotter
Visy NSW HSE Manager

Date: 15/12/2021