

**SANDONS FARM
WASTE RECYCLING FACILITY**

WASH PLANT MONITORING PLAN

CHORLEY SAND & AGGREGATES LIMITED

CSA/EMS/WPMP

OPERATIONAL DOCUMENT CONTROL SHEET

SITE	Sandons Farm Waste Recycling Facility
DOCUMENT TITLE	Wash Plant Monitoring Plan
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1.0 GENERAL

This monitoring plan is in place to achieve the following goals:

- Characterise the washwater and filtercake
- Build up a picture of variation
- Establish if contaminants are becoming concentrated

Monitoring will be carried out by trained, competent personnel.

2.0 WASHWATER MONITORING

2.1 Sampling Location

Duplicate samples of wash water will be taken once per month from the sampling point shown in the photograph below. This is the return point for filtered water from the filter belt and from here it is pumped back up into the settlement tank.



2.2 Sampling Procedure

Samples are collected from the sample point by holding a sampling bottle directly under the flow as it enters the well.

The sample bottle and cap are rinsed before filling with the sample, unless the bottle contains a preservative. Sample bottles are filled in compliance with the instructions provided by appropriate UKAS accredited laboratory located in the laboratory resource folder (LFR). Any preservatives required for particular samples are added, if not already provided in the bottle.

Bottle labels are filled in to include the site name, date, monitoring point or location reference. A chain of custody is completed for the sample.

Once collected, samples are placed in a cool box containing freezer blocks to keep them at a consistent temperature. They are then taken to an appropriate UKAS accredited laboratory.

Samples are tracked from site and through the laboratory process using a chain of custody provided by the laboratory, this is included when the samples are sent to the laboratory. This typically includes information regarding the sample number, type, date, time of sampling and the analyses to be performed.

2.3 Analytical Parameters

Wash water samples will be analysed for the following suite:

- pH
- Electrical Conductivity
- Dissolved Organic Carbon
- Metals (As, Cd, Cu, Cr, Pb, Ni, Sn & Zn)
- Total TPH
- Total PAHs

3.0 FILTERCAKE MONITORING

3.1 Sampling Location

Duplicate samples of filtercake will be taken once per month from the sampling point shown in the photograph below. This is the storage bay for filtercake from the filter belt.



3.2 Sampling Procedure

Samples will be collected by scooping the filtercake into 0.5 kg plastic tubs provided by the laboratory. Two samples will be taken from separate points in the stockpile on each monitoring occasion.

Samples will be labelled, stored and submitted to an accredited laboratory for testing as described in section 2.2 above.

3.3 Analytical Parameters

Filtercake samples will be analysed for the following suite:

pH
Electrical Conductivity
Total Organic Carbon
Metals (As, Cd, Cu, Cr, Pb, Ni, Sn & Zn)
Total TPH
Total PAHs

4.0 DATA RECORDING AND REVIEW

When results are received from the laboratory they will be reviewed by the Technical Advisor, filed securely and logged onto a master spreadsheet.

After six months of data collection a report will be produced on the characterisation and variability of the washwater and filtercake and the monitoring plan will be reviewed.