

	SCA Hygiene Products UK Ltd	Environmental Management System	Created by : Alana Corbett Issued 16.02.2013
	Review of M-Certs Accreditation Permit requirements – Table S1.3 improvement programme requirements (Reference 1 &2)		Revision 0
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29 MAY 2013

Introduction:

As per the Issued operating permit, the business shall submit a written report for the subsequent approval of the Environment Agency that summarises a review of the provision of MCERTS accreditation for the monitoring equipment, personnel and organisations. The report shall also propose a timetable for achieving the standard for any elements that are not MCERTS certified.

2.0 General Procedure:

Using the guidance document, the table of emissions monitoring and limits as per Environment Permit, the current results spread sheet and the information passed on to the site from the external testing laboratory (ALS) .

Emission Point	Parameter	Source	Limit	Reference Period	Monitoring frequency	Monitoring standard or method	Compliance Yes / No (+ ref number)
W1	BOD	Effluent Treatment Plant	50 mg/l	24-hour flow proportional sample	Weekly	In accordance with TGN M18	Yes (1.0)
W1	COD	Effluent Treatment Plant	200 mg/l	24-hour flow proportional composite sample	Daily	In accordance with TGN M18	Improvement (2.0)
W1	Suspended Solids	Effluent Treatment Plant	50 mg/l	24-hour flow proportional composite sample	Daily	In accordance with TGN M18	Yes (3.0)
W1	Temperature	Effluent Treatment Plant	25oC	Instantaneous	Continuous	In accordance with TGN M18	Yes (4.0)
W1	Flow	Effluent Treatment Plant	2200 m3/day. Max instant 30lt sec	Instantaneous	Continuous	MCERTS self monitoring of effluent flow scheme	Yes (5.0)
W1	pH	Effluent Treatment Plant	5-9	Instantaneous	Continuous	MCERTS approved instrumentation	Yes (6.0)
W1	Nurtients N and P	Effluent Treatment Plant	N – 16 mg/l P – no limit set	24-hour flow proportional composite sample	Weekly	In accordance with TGN M18	Yes (7.0)
W1	Metals – Zn, As, Cu, Cr, Ni, Pb	Effluent Treatment Plant	No limits set	24-hour flow proportional composite sample	Quarterly	In accordance with TGN M18	Yes (8.0)
W1	General WFD/DS and Hg, Cd, PCP	Effluent Treatment	No limits	24-hour flow proportional	Annually	In accordance with TGN M18	Yes (9.0)

MONITORING RETURNS N. WALES

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	and PCB	Plant	set	composite sample			
W1	Malathion, triphenyltin, trichlorobenzene, 1,2 – Dichloethane, polychlorinated biphenyls, hexachlorobutadiene, pentachlorophenol & compounds, all isomers of DDT	Effluent Treatment Plant	No limits set	24-hour flow proportional composite sample	Annually	In accordance with TGN M18	Yes (10.0)
W2	Suspended Solids	Site drainage	100 mg/l	Spot sample	Monthly	In accordance with TGN M18	Yes (11.0)
W2	pH	Site drainage	5-9	Spot sample	Weekly	In accordance with TGN M18	Yes (12.0)
W2	Hydrocarbon oil	Site drainage	15 mg/l	Spot sample	Monthly	In accordance with TGN M18	Yes (13.0)

Compliance justifications / gap analysis:

- 1.0 BOD5 performed externally by ALS (UKAS accredited lab)
- 2.0 COD performed on site using HACH spectrophotometer. Calibrated externally x 1 year. Improvement to start sending COD samples to ALS for cross check purposes.
- 3.0 SS performed on site using Whatman GF/C fine filter papers, drying oven set to 105oC (calibrated externally), and externally calibrated weigh scales.
- 4.0 IFM In line temp probe calibrated externally (x1 year)
- 5.0 M- Certs accredited scheme for the flow meter obtained. Calibration of meter performed once every 2 years. On site maintenance performed at more frequent intervals. One yearly audit of systems, procedures and records performed by external auditor.
- 6.0 Hach Lange pH probe – with MCERTS certificate (calibrated externally x 1 year, on site every 6 months)
- 7.0 Performed externally by ALS (UKAS accredited lab). Test methods used : Ammonia – Colimetry, Phosphorous – Nitric Digestion / ICP.
- 8.0 Performed externally by ALS (UKAS accredited lab). Test methods used: Zn – ICP-MS, As – ICP-MS, Cu – ICP-AES, Cr – ICP-MS, Ni – ICP-AES, Pb – ICP-AES.
- 9.0 Performed externally by ALS (UKAS accredited lab). Test methods used : General WFD/DS – GC-MSMS, Hg – ICP-MS, Cd – ICP-MS, PCP – GC-MSMS, PCB – GE-ECD.
- 10.0 Performed externally by ALS (UKAS accredited lab). Test methods used – GC-ECD.
- 11.0 SS performed on site using GF/C fine filter papers, drying oven set to 105oC (calibrated externally), and externally calibrated weigh scales. Written in house procedure.
- 12.0 Performed on site using monthly calibrated pH meter.
- 13.0 Performed externally by ALS (UKAS accredited lab). Test method Total Hydrocarbons – GE-FID.

Other information;

Hach MCERTS flow proportional MCERTS accredited sampler, purchased and installed on site April 2013.

Fridge to be purchased to store effluent samples while waiting for pick up (to be externally calibrated at stored at 5oC +/- 3oC)

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3.0 Abbreviations

ALS – External testing laboratory based in Coventry.

4.0 Exhibits or associated documents:

ALS – UKAS Certificate

