

OMA Report – Emissions to Air – EPR

Summary sheet		
Permit Number: BK6483IU		Compliance Officer: Lara Cubley
Operator: Toyota		Auditor (if different):
Emission Point(s): ST1, ST2, ST4, ST9, ST10, ST11		Others Present:
OMA Sections		SCORE
OMA 1 – Management of monitoring		25
OMA 2 – Periodic monitoring and test laboratories		40
OMA 3 – Continuous monitoring		-
OMA 4 – Quality assurance		28
		OVERALL SCORE
		93/95 98%
OVERALL SITE ASSESSMENT COMMENTS Extremely high standard attained in this audit for operator self monitoring. Advice & Guidance The Operator could programme audits in more specifically to ensure a good rotation of what is audited and when so that all elements are eventually covered, i.e. different locations and monitoring determinands to attain standard of excellent in element 4D. The Operator could further document procedures for review of data to reach excellent under element 4B.		Letter
		Variation
		Enforcement
Date of audit: 30/10/13 Signed: L Cubley Date: 15/11/13		

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OMA ELEMENTS	SCORE	COMMENTS
A. Documentation of management system procedures for monitoring	5	Emissions Monitoring Procedure KBH-7-0-24-P1 was available which includes the process of appointing a monitoring contractor. The contractor is MCERTS accredited and produces a SSP for the periodic monitoring undertaken annually. This is reviewed by the environmental department. Work instructions are also available, particularly for the monitoring organised on the site for the WWTP (see emissions to sewer OMA report).
B. Organisational structure for monitoring	5	An organisation structure was available and roles and responsibilities were clearly defined for monitoring of emissions to air. This is done by a dedicated member of the environment department. Procedures form the basis of plan, do, check, action with a responsibilities matrix.
C. Schedules and planning of monitoring, including contingencies	5	A monitoring plan is produced annually, the Environmental Monitoring and Report Plan 2013/2014 was available. The Operator is planning annual monitoring needs well and there was evidence of a review of the required determinands and methods following best practice guidance. SSPs are obtained in advance and reviewed. Three contractors have been approved in plenty of time to act as a contingency should this be required. There is good liaison with staff to check on exact dates where the process is representative of normal loading and operational conditions. Monitoring is generally conducted prior to planned shutdown so that any findings can be auctioned during shut down.
D. Monitoring records and use of monitoring data	5	Documented procedure cover the review of monitoring results, with trending undertaken and review at management meetings. There was good evidence of review of monitoring reports as well as data.

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E. Understanding the requirements of the permit and monitoring methods	5	A very good understanding of the permit requirements and best practice guidance was demonstrated. Those responsible had completed training (STA Regulatory Monitoring Requirements for Process Operators). Reviews of those contracted to undertake monitoring available.
OMA 1 – SCORE	25/25 100%	
SUMMARY COMMENTS FOR OMA 1		
The Operator has an EMS accredited to ISO 14001 with procedures for planning monitoring and appointment of contractors to undertake such monitoring.		

OMA 2: Periodic monitoring and test laboratories		
OMA ELEMENTS	SCORE	COMMENTS
A. Sampling provisions <i>Critical Element</i>	5	Monitoring locations on roof inspected. Easy, safe access, mostly 3 inch diameter bp ports with a number of sampling planes in compliant locations. Observed to be in good condition.
B. Certification of equipment	5	All periodic monitoring performed by MCERTS accredited test lab with valid scope of registration evidenced.
C. Measurement methods and standards <i>Critical element</i>	5	MCERTS accreditation for all methods. US EPA 316 used for formaldehyde over BS EN. Operator best practice with review of methods.
D. Calibration methods <i>Critical element</i>	5	MCERTS and UKAS accreditation for all dets and methods.
E. Frequency of maintenance and calibration	5	As above plus checks by operator conducted.
F. Reliability of equipment (data availability)	5	Good reliability, no issues.
G. Breakdown response	5	All contracted to accredited contractor. Other approved contractors available.
H. Traceability	5	All periodic monitoring performed by MCERTS accredited test lab with valid scope of registration evidenced.
OMA 2 – SCORE	40/40 100%	
SUMMARY COMMENTS FOR OMA 2		

OMA 3: Continuous monitoring		
OMA ELEMENTS	SCORE	COMMENTS
A. Provisions for monitoring and location of CEMs <i>Critical Element</i>		
B. Certification of CEMs		
C. Calibration methods <i>Critical element</i>		
D. Frequency of maintenance and calibration		
E. Reliability of equipment (data availability)		
F. Breakdown response		
G. Traceability		
OMA 3 – SCORE		
SUMMARY COMMENTS FOR OMA 3		
Only continuous monitoring is temperature for process control on sand reclamation and coating fume incinerator. Thermocouples are subject to regular checks, maintenance, and calibration. Daily checks conducted, recorded, and reviewed.		

OMA 4: Quality assurance		
OMA ELEMENTS	SCORE	COMMENTS
A. External quality control schemes	5	All periodic monitoring performed by MCERTS/UKAS accredited test lab with valid scope of registration evidenced and checked by Operator.
B. Internal data quality control	4	The Operator's procedure ensures that data trends are reviewed and taken to management meetings. There are provisions in place for escalation. All reports and results from monitoring contractors are reviewed. Not all procedures for systematic assessment of data are documented, particularly for air emissions, hence 4.
C. Competence of monitoring personnel	5	Monitoring personnel hold the correct level of MCERTS certification which has been verified by the Operator. Operator personnel with responsibilities for monitoring also appropriately trained with records available.
D. Auditing of monitoring	4	Management system includes a planned annual audit of contractor monitoring conducted by operator for casting and sand reclamation. This follows the old OMA table guidance for auditing. Reports and methods are also checked. The Operator could programme this in more specifically to ensure a good rotation of what is audited when so that all elements are eventually covered, i.e. different locations and monitoring determinands.
E. Audit compliance	5	Audits are documented and there was evidence of actions having been completed.
F. Reporting	5	Reporting is of a high standard and meets all requirements.
OMA 4 – SCORE	28/30 93%	
SUMMARY COMMENTS FOR OMA 4		
The Operator could programme audits in more specifically to ensure a good rotation of what is audited and when so that all elements are eventually covered, i.e. different locations and		

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monitoring determinands to attain standard of excellent in 4D.
The Operator could further document procedures for review of data to reach excellent under element 4B.

OMA Report – Discharges to Water – EPR

Summary sheet		
Permit Number: BK6483IU	Compliance Officer: Lara Cubley	
Operator: Toyota	Auditor (if different):	
Discharge point(s): S1	Others Present:	
OMA Sections	SCORE	
OMA 1 – Management of monitoring	25	
OMA 2 – Periodic monitoring and test laboratories	40	
OMA 3 – Continuous monitoring	-	
OMA 4 – Quality assurance	28	
	OVERALL SCORE	93/95 98%
OVERALL SITE ASSESSMENT COMMENTS	Letter	
	Variation	
	Enforcement	
See comments in emissions to air.		
Date of audit: 30/10/2013		
Signed: Lara Cubley		
Date: 20/11/2013		

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OMA 1: Management of monitoring		
OMA ELEMENTS	SCORE	COMMENTS
A. Documentation of management system procedures for monitoring	5	WI for monitoring undertaken at the WWTP labs are of a very high standard and well documented with pictures included.
B. Organisational structure for monitoring	5	The monitoring of the effluent at the WWTP is the responsibility of the staff at the Deeside Plant contrary to those responsible for management of monitoring of emissions to air which are contracted out. This is documented.
C. Schedules and planning of monitoring, including contingencies	5	Sampling request forms come with sample bottles all labelled. Some monitoring is continuous (flow and pH), there is also an autosampler.
D. Monitoring records and use of monitoring data	5	As per emissions to air.
E. Understanding the requirements of the permit and monitoring methods	5	As per emissions to air.
OMA 1 – SCORE	25/25 100%	
SUMMARY COMMENTS FOR OMA 1		
See comments/findings for emissions to air audit which documents general cross over in the management of all monitoring.		

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OMA 2: Periodic monitoring and test laboratories

OMA ELEMENTS	SCORE	COMMENTS
A. Sampling provisions <i>Critical Element</i>	5	Sample location for autosampler, flow and pH is good and clean.
B. Certification of equipment	5	Autosampler, flow and pH all MCERTS certified.
C. Measurement methods and standards <i>Critical Element</i>	5	The operator has very good procedures for in house monitoring at the Deeside site for COD and sulphate with further determinands being analysed at the Burnaston laboratory. However, these are also analysed at a UKAS accredited labs and results compared regularly.
D. Calibration methods <i>Critical element</i>	5	UKAS accredited labs and test methods employed. MCERTS equipment in calibration. Checks of pH meter calibrations and buffer solutions show a high standard.
E. Frequency of maintenance and calibration	5	UKAS/MCERTS. In house testing available too with spares.
F. Reliability of equipment (data availability)	5	Greater than 95% availability.
G. Breakdown response	5	Spares available.
H. Traceability	5	UKAS lab.
OMA 2 – SCORE	40/40	
SUMMARY COMMENTS FOR OMA 2		

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OMA 3: Continuous monitoring		
OMA ELEMENTS	SCORE	COMMENTS
A. Provisions for monitoring and location of CWMs <i>Critical element</i>		
B. Certification of CWMs		
C. Measurement methods and standards <i>Critical element</i>		
D. Calibration methods <i>Critical element</i>		
E. Frequency of maintenance and calibration		
F. Reliability of equipment (data availability)		
G. Breakdown response		
H. Traceability		
OMA 3 – SCORE		
SUMMARY COMMENTS FOR OMA 3		
Only flow and pH continuously monitored and scores the same as section 2.		

OMA 4: Quality assurance		
OMA ELEMENTS	SCORE	COMMENTS
A. External quality control schemes		See emissions to air.
B. Internal data quality control		
C. Competence of monitoring personnel		
D. Auditing of monitoring		
E. Audit compliance		
F. Reporting		
OMA 4 – SCORE	28/30 93%	
SUMMARY COMMENTS FOR OMA 4		

