

Toyota Motor Manufacturing (UK) Ltd

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Lara Cubley
Regulatory Officer
Natural Resources Wales
Chester Road
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TOYOTA



Ref: Environmental Permit EPR/BK6483IU/V003

Date: 03/03/2014

Dear Lara,

With reference to permit improvement condition 9.22 and our subsequent response on 24/04/2010, I attach the Quarter 1 report for monitoring of our Waste Water Treatment Plant emissions. The report compares sample analysis by Toyota and a UKAS accredited lab, using methods based on TGN M18.

If you have any queries, please do not hesitate to contact me.

Yours sincerely,

Keith Martin
Senior Engineer
Facilities and Environment

Enc: Reporting Form "Sewer2/280709A" (Q1)

MONITORING RETURNS N. WALLS	
	INITIALS DATE
CHECKED & AUTHORIZED	LC 8.7.14
TRACKING	JB 12.3.14
OK FOR PUBLIC REGISTER	LC 8.7.14
TYPE TO PPM'S REGISTER	JB EPRM



ECF



Permit Number: EPR/BK6483IU/V003
Facility: Deeside engine Casting

Operator: Toyota Motor Manufacturing (UK) Ltd
Form Number: Sewer2 / 280709A

Reporting of emissions to sewer for Quarter:				Q1 January - March 2014		TMUK		UKAS Accredited Lab.		
Emission Point	Substance / Parameter	ELV	Reference Period	Sample Date	Test Method	Result	Test Method	Result	Uncertainty	
S1	pH	5 - 10	Daily Composite Sample	05/02/2014	Laboratory bench pH probe.	7.71	Based "The Measurement of Electrical Conductivity and Laboratory Determination of the pH Value of Natural, Treated and Wastewaters 1978".	7.5	0.14	
S1	Total Suspended Solids	200 mg/l	Daily Composite Sample	05/02/2014	Internal Method: Filter Paper + balance	1.0 mg/l	Based on "Suspended, Setttable and Total Dissolved Solids in Waters and Effluents 1980."	20.0 mg/l	18.50%	
S1	COD	1500 mg/l	Daily Composite Sample	05/02/2014	Internal Titration Method	648 mg/l	Dichromate oxidation / digestion.	315 mg/l	17.70%	
S1	Total Hydrocarbon Oil	150 mg/l	Daily Composite Sample	05/02/2014	Internal Gravimetric Method	1.0 mg/l	Solvent extract of the sample / GC/FID	1.74 mg/l	34.90%	
S1	Sulphate	1000 mg/l	Daily Composite Sample	05/02/2014	Internal Method AA Spectrophotometer	360 mg/l	Determination by ICPOES.	313 mg/l	16.00%	
S1	Copper	1 mg/l	Daily Composite Sample	05/02/2014	Internal Method AA Spectrophotometer	0.1 mg/l	Determination by ICPMS	0.014 mg/l	21.60%	
S1	Zinc	2 mg/l	Daily Composite Sample	05/02/2014	Internal Method AA Spectrophotometer	0.37 mg/l	Determination by ICPMS	0.263 mg/l	15.40%	
S1	Lead	1 mg/l	Daily Composite Sample	05/02/2014	Internal Method AA Spectrophotometer	0.1 mg/l	Determination by ICPMS	0.003 mg/l	14.20%	
S1	Nickel	1 mg/l	Daily Composite Sample	05/02/2014	Internal Method AA Spectrophotometer	0.1 mg/l	Determination by ICPMS	0.013 mg/l	22.70%	

Signed:  Date: 03/03/14
(authorised to sign on behalf of operator)