Groundwater Quality

Monthly analysis of field parameters for onsite boreholes for July and September 2016 are shown in the tables below. A copy of the groundwater report for Quarter 3 2016 received from the consultants has also been submitted.

Table Field Measured Parameters Water Analytical Results

Date: 28th July 2016

Monitoring Wells

Parameters ▼	**Drinking Water Standards ▼**	**Units ▼**	**MW01**	**MW02**	**MW03**	**MW04**	**BH101**	**BH102**	**BH103**	**BH104B**
Depth of water in Borehole	N/A	N/A	23.10	30.70	15.61	6.68	6.96	6.50	4.66	4.93
Conductivity	1000	uS/cm	662	881	1401xx	1280xx	995	558	749	447
pH	6.5<pH<9.5	n/a	7.27	7.50	7.74	7.49	7.30	6.83	7.18	7.55
Temp.	25	°C	12.8	12.7	15.1	13.3	13.4	12.7	13.6	13.8
DO	-	mg/l	2.08	1.82	3.86	1.68	1.96	1.20	1.07	1.19
Visual	N/A	N/A	Clear, slight sediment,	Clear, No Sediment	Cloudy, slight sediment, shiny film	Brown Color, Some Sediment	Slightly cloudy, No Sediment	Clear, No Sediment	Cloudy brown, slight sediment, slight oil film	Black Color, slight black sediment
Odor	N/A	N/A	No Smell	No Smell	Strong Sulphur Smell	Earth Like Smell	No Smell	Slight Sulphur Smell	Sulphur Smell	Strong Sulphur smell

LEGEND

xx Indicates result in excess of statutory Irish standards for drinking water.

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Table Field Measured Parameters Water Analytical Results

Date: 26th and 27th September 2016

Monitoring Wells

Parameters ▼	Drinking Water Standards ▼	Units ▼	MW01	MW02	MW03	MW04	BH101	BH102	BH103	BH104B
Depth of water in Borehole	N/A	N/A	23.11	30.70	14.45	6.62	6.80	6.46	4.65	4.93
Conductivity	1000	uS/cm	621	607	1353xx	1276xx	934	550	727	395
pH	6.5<pH<9.5	n/a	7.24	7.25	7.20	7.15	7.15	7.05	6.99	7.28
Temp.	25	°C	11.8	12.0	13.2	13.6	14.2	13.9	14.3	13.9
DO	-	mg/l	1.86	0.90	2.93	2.50	1.65	1.03	0.72	1.43
Visual	N/A	N/A	Slightly Cloudy, No Sediment	Clear, No Sediment	Cloudy, Some Sediment	Cloudy, Brown Silt Like Sediment	Cloudy, No Sediment	Clear Not Sediment	Cloudy Brown, Slight Sediment	Cloudy, Dark Sediment
Odor	N/A	N/A	No Smell	No Smell	Smelly	Smelly	No Smell	Slight Sulphur Smell	Smelly	Sulphur Smell

LEGEND

xx Indicates result in excess of statutory Irish standards for drinking water.

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