

**Bundoran AER
2012**

D0130

Discharges from the agglomeration

The main discharge from the agglomeration arises from the population and from the hospitality industry in Bundoran. There is a large seasonal factor in the hospitality industry, which peaks during the summer season. . Proposals to install a municipal treatment plant are at an advanced stage. Currently all effluent arising from the agglomeration is discharges through an outfall into the sea at Pollbreen Bundoran without any treatment. A map in Appendix 2 shows the relative location of this outfall. The development of new treatment plant is awaiting DEHLG

Summary report on monthly influent monitoring:

The Average results and the range for the annual monitoring carried out is given Below.

	BOD mg/l	COD mg/l	SS mg/l	Total P
Avg	113.4	243.6	131.25	2.58708
Range	11.8- 317.2	51-584	11-338	0.435-5.2

UWWT requirements

A copy of the UWWT returns for Bundoran is attached see Appendix 1

Complaints summary:

No complaints were received

PRTR 2012 report

Se attached PRTR report

PRTR 2012 report

The 2012 PRTR report will be similar to the 2011 report as no significant changes are proposed in 2012.

Dangerous substances report and measures

There are no known sources of dangerous substances within the agglomeration. Elevated levels of Zn are most likely to be from domestic water piping and galvanised metal cladding on buildings. This is a common phenomenon and no measures have been identified to reduce these levels.

Effluent Toxicity report

No toxicity analysis was carried out in 2012 due to resource issues

Ambient monitoring summary

Ambient Monitoring was carried out in 2012. See Appendix 2.

Storm Water overflow identification and inspection

No information other than what was submitted in the Application Form is available on storm water discharges.

Reported Incident summary

No incidents recorded

Report on progress made in 2011

No progress was made insofar as construction was concerned.

Development and infrastructural works summary

The proposed development of the Bundoran waste water infrastructure including the EIS etc is available as part of the licence application. All work on this scheme in 2011 was in relation to progressing the scheme to the construction through dialog with the DEHLG.

Coastal Habitat monitoring:

Not applicable at this time.

Environmental Liabilities Measures

Donegal County Council currently does not carry specific ELRA insurance

Appendix 1.

Location	Lab. Ref	Date	pH	T C	Cond us/cm	BOD (mg/l)	COD (mg/l)	SS (mg/l)	NH3(as N) (mg/l)	Nitrate (as N) (mg/l)	Nitrite (as N) (mg/l)	D.I.N. (mg/l)	Ortho P (mg/l)	Total N (mg/l)	Total P (mg/l)	Flow m3
January																
Bundoran outlet	122501175	20/01/2012	7.54	7	448	36.3	100	53	8.91	0.223	0.021	9.154	0.936	11.7	1.62	840
Feburary																
Bundoran outlet	122501379	09/12/2012	7.51	8	273	11.8	51	34	0.95	0.922	<0.010	1.872	0.16	2.7	0.435	1680
March																
Bundoran outlet	122501869	24/03/2012	7.18	11	582	138.8	343	182	18.5	<0.100	<0.01	18.5	2.06	20.8	3.72	451
April																
Bundoran outlet	122502285	25/04/2012	8.06	8	670	167	436	102	16.9	<0.100	<0.01	16.9	1.99	28	2.35	1134
May																
Bundoran outlet	122502623	22/05/2012	7.19	11	700	130.6	350	120	13.9	<0.100	<0.01	13.96	1.75	29.5	3.43	829
June																
Bundoran outlet	122503245	25/06/2012	7.19	11	525	31.9	120	11	14.2	<0.100	<0.01	7.59	0.807	12.7	1.48	755
July																
Bundoran outlet	122503613	12/07/2012	7.4	14	808	217.2	584	338	7.59	<0.100	0.03	7.645	3.08	54.3	5.2	2310

August																
Bundoran outlet	122504315	20/08/2012	7.35	14	605	116	216	89	18.2	0.28	<0.010	18.49	1.95	25	3.33	2603
September																
Bundoran outlet	122504864	27/09/2012	7.18	10	542	79.1	148	252	8.51	0.25	0.04	8.8	1.23	19.4	1.81	1663
October																
Bundoran - outlet	122505230	23/10/2012	7.38	7	717	123.4	276	113	23.6	<0.100	<0.01	23.66	2.01	29.4	2.65	1296
November																
Bundoran - outlet	122505746	26/11/2012	8.01	9	668	166.1	225	198	11.2	0.107	0.0358	11.34	1.74	27.3	2.94	1330
December																
Bundoran - outlet	122506032	11/12/2012	7.93	5	683	42.85	74	63	8.13	<0.100	<0.01	8.19	1.49	33.1	2.08	825

Appendix 2. Ambient Monitoring.

Location	Lab Ref	Date	Time Sampled	Escherichia Coli	Intestinal Enterococci	Visual Inspection
				/100mls	/100mls	
Bundoran Beach	122502696	28/05/2012	8.3	<1	<1	Nothing Observed - Sample Clear
Bundoran Beach	122503009	11/06/2012	09:00	<1	<1	Nothing Observed - Sample Clear
Bundoran Beach	122503246	25/06/2012	08:00	53	20	Nothing Observed - Sample Clear
Bundoran Beach	122503377	02/07/2012	08:30	20	<1	Nothing Observed - Sample Clear
Bundoran Beach	122503539	10/07/2012	09:00	10	42	Nothing Observed - Sample Clear
Bundoran Beach	122503776	23/07/2012	09:00	31	53	Nothing Observed - Sample Clear
Bundoran Beach	122503873	30/07/2012	08:30	<1	10	Nothing Observed - Sample Clear
Bundoran Beach	122504132	13/08/2012	08:30	<1	10	Nothing Observed - Sample Clear
Bundoran Beach	122504316	20/08/2012	09:00	<1	<1	Nothing Observed - Sample Clear
Bundoran Beach	122504444	27/08/2012	08:30	31	20	Nothing Observed - Sample Clear
Bundoran Beach	122504550	03/09/2012	09:00	10	10	Nothing Observed - Sample Clear

Appendix 2 Map of Bundoran showing relative position of outfall and Blue Flag Beach

