The Hay Sewerage Treatment Plant EPA Licence (3520) requires Council to monitor concentration of pollutants discharged at 7 monitoring locations around the Treatment Plant. The frequency of the testing is yearly with the following test results sampled on 13 August 2013 and the results forwarded to Council on 28 August 2013. The full EPA licence can be viewed on the EPA website.

Monitoring Point 4

Groundwater quality monitoring, Piezometer labelled as 'Inspection Hole 12' as shown on the map at Figure 3 in the document titled 'Hay Waste Water Treatment Plant Groundwater Investigation' dated 16 December 2004 and on DEC file 235152A1/05.

Pollutant	Unit of measure	No. of samples required by licence	No. of samples you collected and analysed	Lowest sample value	Mean of sample	Highest sample value
Ammonia	milligrams per litre	1	1		< 0.2	
Chemical oxygen demand	milligrams per litre	1	1		42	
Chloride	milligrams per litre	1	1		424	
Conductivity	Microsiemens per centimetre	1	1		2870	
Depth	Metres	1	1		1.9	
Nitrogen (Total)	milligrams per litre	1	1		< 2	
pH	pH	1	1		8.2	
Phosphorus (total)	milligrams per litre	1	1		0.02	
Total Kjeldahl Nitrogen	milligrams per litre	1	1		< 2	
Total organic carbon	milligrams per litre	1	1		31	
Total suspended solids	milligrams per litre	1	1		101	

Monitoring Point 5

Groundwater quality monitoring, Piezometer labelled as 'Inspection Hole 17' shown on the map at Figure 3 in the document titled 'Hay Waste Water Treatment Plant Groundwater Investigation' dated 16 December 2004 and on DEC file 235152A1/05.

Pollutant	Unit of measure	No. of samples required by licence	No. of samples you collected and analysed	Lowest sample value	Mean of sample	Highest sample value
Ammonia	milligrams per litre	1	1		< 0.2	
Chemical oxygen demand	milligrams per litre	1	1		65	
Chloride	milligrams per litre	1	1		411	
Conductivity	Microsiemens per centimetre	1	1		2450	
Depth	Metres	1	1		4.2	
Nitrogen (Total)	milligrams per litre	1	1		5	
pH	pH	1	1		7.9	
Phosphorus (total)	milligrams per litre	1	1		2.18	
Total Kjeldahl Nitrogen	milligrams per litre	1	1		< 2	
Total organic carbon	milligrams per litre	1	1		24	
Total suspended solids	milligrams per litre	1	1		116	

Monitoring Point 6

Groundwater quality monitoring, Piezometer labelled as 'Inspection Hole 18' as shown on the map at Figure 3 in the document titled 'Hay Waste Water Treatment Plant Groundwater Investigation' dated 16 December 2004 and on DEC file 235152A1/05.

Pollutant	Unit of measure	No. of samples required by licence	No. of samples you collected and analysed	Lowest sample value	Mean of sample	Highest sample value
Ammonia	milligrams per litre	1	1		< 0.2	
Chemical oxygen demand	milligrams per litre	1	1		583	
Chloride	milligrams per litre	1	1		7460	
Conductivity	Microsiemens per centimetre	1	1		25800	
Depth	Metres	1	1		3.8	
Nitrogen (Total)	milligrams per litre	1	1		10	
pH	pH	1	1		7.5	
Phosphorus (total)	milligrams per litre	1	1		0.09	
Total Kjeldahl Nitrogen	milligrams per litre	1	1		3	
Total organic carbon	milligrams per litre	1	1		11	
Total suspended solids	milligrams per litre	1	1		64	

Monitoring Point 7

Groundwater quality monitoring, Piezometer labelled as 'Inspection Hole 10' as shown on the map at Figure 3 in the document titled 'Hay Waste Water Treatment Plant Groundwater Investigation' dated 16 December 2004 and on DEC file 235152A1/05.

Pollutant	Unit of measure	No. of samples required by licence	No. of samples you collected and analysed	Lowest sample value	Mean of sample	Highest sample value
Ammonia	milligrams per litre	1	1		< 0.2	
Chemical oxygen demand	milligrams per litre	1	1		22	
Chloride	milligrams per litre	1	1		1050	
Conductivity	Microsiemens per centimetre	1	1		4700	
Depth	Metres	1	1		4.2	
Nitrogen (Total)	milligrams per litre	1	1		21	
pH	pH	1	1		8.4	
Phosphorus (total)	milligrams per litre	1	1		0.17	
Total Kjeldahl Nitrogen	milligrams per litre	1	1		2	
Total organic carbon	milligrams per litre	1	1		9	
Total suspended solids	milligrams per litre	1	1		814	

Monitoring Point 8

Groundwater quality monitoring, Piezometer labelled as 'Inspection Hole 6' as shown on the map at Figure 3 in the document titled 'Hay Waste Water Treatment Plant Groundwater Investigation' dated 16 December 2004 and on DEC file 235152A1/05.

Pollutant	Unit of measure	No. of samples required by licence	No. of samples you collected and analysed	Lowest sample value	Mean of sample	Highest sample value
Ammonia	milligrams per litre	1	1		< 0.2	
Chemical oxygen demand	milligrams per litre	1	1		< 10	
Chloride	milligrams per litre	1	1		2960	
Conductivity	Microsiemens per centimetre	1	1		10700	
Depth	Metres	1	1		4.5	
Nitrogen (Total)	milligrams per litre	1	1		4	
pH	pH	1	1		7.1	
Phosphorus (total)	milligrams per litre	1	1		0.10	
Total Kjeldahl Nitrogen	milligrams per litre	1	1		< 2	
Total organic carbon	milligrams per litre	1	1		14	
Total suspended solids	milligrams per litre	1	1		120	

Monitoring Point 10

Groundwater quality monitoring, Piezometer labelled as 'Inspection Hole 14' as shown on the map at Figure 3 in the document titled 'Hay Waste Water Treatment Plant Groundwater Investigation' dated 16 December 2004 and on DEC file 235152A1/05.

Pollutant	Unit of measure	No. of samples required by licence	No. of samples you collected and analysed	Lowest sample value	Mean of sample	Highest sample value
Ammonia	milligrams per litre	1	1		< 0.2	
Chemical oxygen demand	milligrams per litre	1	1		< 10	
Chloride	milligrams per litre	1	1		2400	
Conductivity	Microsiemens per centimetre	1	1		10400	
Depth	Metres	1	1		3.7	
Nitrogen (Total)	milligrams per litre	1	1		< 2	
pH	pH	1	1		8.0	
Phosphorus (total)	milligrams per litre	1	1		0.05	
Total Kjeldahl Nitrogen	milligrams per litre	1	1		< 2.0	
Total organic carbon	milligrams per litre	1	1		14	
Total suspended solids	milligrams per litre	1	1		82	

Monitoring Point 11

Groundwater quality monitoring, Piezometer labelled as 'Inspection Hole 14' as shown on the map at Figure 3 in the document titled 'Hay Waste Water Treatment Plant Groundwater Investigation' dated 16 December 2004 and on DEC file 235152A1/05.

Pollutant	Unit of measure	No. of samples required by licence	No. of samples you collected and analysed	Lowest sample value	Mean of sample	Highest sample value
Ammonia	milligrams per litre	1	1		< 0.2	
Chemical oxygen demand	milligrams per litre	1	1		< 10	
Chloride	milligrams per litre	1	1		730	
Conductivity	Microsiemens per centimetre	1	1		4190	
Depth	Metres	1	1		4.5	
Nitrogen (Total)	milligrams per litre	1	1		42	
pH	pH	1	1		7.5	
Phosphorus (total)	milligrams per litre	1	1		0.16	
Total Kjeldahl Nitrogen	milligrams per litre	1	1		8	
Total organic carbon	milligrams per litre	1	1		8	
Total suspended solids	milligrams per litre	1	1		13500	

Discharge & Monitoring Point 3

Volume monitoring

Unit of Measure	Frequency	No. of measurements made	Lowest result	Mean Result	High Result
Kilolitres per day	Daily	365	486	783	945