

Freshford

County	Licence Ref.	Agglomeration	PE Design	PE Current	Primary Discharge Point	Monitoring Location	Receiving Water Body
Kilkenny	D0526-01	Freshford	320	763	E 241087 N 164766	E 241048 N 164779	Nuenna River
Issued on	04/10/2013	DBO			E 241935 N 164408		Nuenna River

	Monitoring Result Source	Sampling Method	Date	pH	Conductivity	BOD	Emission Limit Values										Total Phosphorus (UWWT)		
							eBOD	BOD (UWWT)	COD	COD (UWWT)	SS	SS (UWWT)	Ammonia	Nitrite	Nitrate	Total Nitrogen		Total Nitrogen (UWWT)	Orthophosphate
Primary Discharge SW001				6.0-9.0			5	25	125	125	5	35	0.6					1.5	
Primary Discharge SW003 From 22/12/2015							5mg/L		125mg/L		5mg/L		0.6mg/L					1.5mg/L	
Exceedence Limits Composite							1	100%	100%	100%	1.5	150%	20%				20%		
Exceedence Limits Grab							1	100%	100%	100%	1.5	150%	20%				20%		
Maximum ELV (Composite)							10	50	250	250	12.5	87.5	0.72				1.8		
Maximum ELV (Grab)							10	50	250	250	12.5	87.5	0.72				1.8		
Primary Discharge Monitoring (SW001)							6				6								
Primary Discharge Monitoring (SW003)				6			6		6		6		6				6		
SW001 E 240975 N 164771 Upstream				Quarterly		Quarterly							Quarterly				Quarterly		
SW001 E 244548 N 164220 Downstream				Quarterly		Quarterly							Quarterly				Quarterly		
Primary Discharge Monitoring (SW003)	LA	Composite	25/05/2016	7.52			5	5	21	21	5	5	0.069			3.31	1.44	1.5	
Primary Discharge Monitoring (SW003)	LA	Composite	20/07/2016	7.71			3	3	24	24	5	5	0.328			20.6	0.108	0.21	
Primary Discharge Monitoring (SW003)	LA	Composite	13/09/2016	7.41			4	4	38	38	15	15	0.7224			23.7	0.493	0.603	
Primary Discharge Monitoring (SW003)	LA	Composite	18/10/2016	7.46			5	5	35	35	11	11	0.144			12.1	0.286	0.718	
Primary Discharge Monitoring (SW003)	LA	Composite	09/11/2016	7.59			4	4	29	29	13	13	2.17			20.1	0.099	0.184	
Primary Discharge Monitoring (SW003)	LA	Composite	13/12/2016	7.61			6	6	36	36	7	7	1.88			29.4	1.48	1.55	

Emission Limit Values																				
	Monitoring Result Source	Sampling Method	Date	pH	Conductivity	BOD	CBOD	BOD (UWWT)	COD	COD (UWWT)	SS	SS (UWWT)	Ammonia	Nitrite	Nitrate	Total Nitrogen	Total Nitrogen (UWWT)	Orthophosphate	Total Phosphorus	Total Phosphorus (UWWT)
Primary Discharge SW001				6.0-9.0			5	25	125	125	5	35	0.6					1.5		
Primary Discharge SW003 From 22/12/2015							5mg/L		125mg/L		5mg/L		0.6mg/L					1.5mg/L		
Exceedence Limits Composite							1	100%	100%	100%	1.5	150%	20%					20%		
Exceedence Limits Grab							1	100%	100%	100%	1.5	150%	20%					20%		
Maximum ELV (Composite)							10	50	250	250	12.5	87.5	0.72					1.8		
Maximum ELV (Grab)							10	50	250	250	12.5	87.5	0.72					1.8		
Primary Discharge Monitoring (SW001)							6				6									
Primary Discharge Monitoring (SW003)				6			6		6		6		6					6		
SW001 E 240975 N 164771 Upstream				Quarterly		Quarterly							Quarterly					Quarterly		
SW001 E 244548 N 164220 Downstream				Quarterly		Quarterly							Quarterly					Quarterly		
Primary Discharge Monitoring (SW003)	LA	Composite	25/01/2017	7.72			8	8	23	23	4	4	2.93			8.69	8.69	0.148	0.235	0.235
Primary Discharge Monitoring (SW003)	LA	Composite	21/03/2017	7.57			8	8	20	20	13	13	2.52			7.54	7.54	0.37	0.551	0.551