

Llanfaethlu Wastewater Treatment Works

Tony Warr ... (Version 6.0) ... 14/10/20

discharge	LLANFAETHLU		
river			
pollutant	Fe		

mean upstream river flow **13.8**

the 95-percentile low flow **0.5**

mean discharge flow **1.16**

standard deviation **0.38**

mean u/s river quality **500** (241 - 759)

standard deviation **500** (319 - 669)

number of samples **12**

mean discharge quality **1000** (637 - 1363)

standard deviation **700** (455 - 945)

number of samples **12**

the 95-percentile **2315** (1602 - 4609)

the 99-percentile **3560** (2273 - 8724)

the 99.5-percentile **4167** (2575 - 11055)

correlation: river and discharge flow **0.6000**

downstream target **1000**

mean **M**

☒ calculate required discharge quality
☐ calculate impact of input discharge quality

mean d/s river quality	1000	(593 - 1407)
standard deviation	786	(510 - 1061)
number of samples	12	

required discharge mean	2579	(1653 - 3505)
standard deviation	1786	(1160 - 2413)
number of samples	12	
the 95-percentile	5980	(4166 - 11794)
the 99-percentile	9278	(6012 - 22302)
the 99.5-percentile	10584	(6548 - 27922)

correlation: river flow and quality **0**

correlation: discharge flow and quality **0**