

Twelve Abstractions above the Weir at Athy in the upper reaches and in catchment of the river Barrow with No assessment, Appropriate assessment , or Strategic Environmental Assessment and only one Official Proposal under the Water Supplies Act of 1942 which is now inoperable and unsustainable.

Table 1. - 1 cubic metre = 1000 litres or 1 ML = 1.30795062 cubic yards

County Council	Year of activation	Planning ref	Location	Type of abstraction	Volume per day	Totals	Water supplies Act applied	EIS submitted	EIA or APPROPRIATE ASSESSMENT	% of dry weather Flow	Remarks
Kildare	2007	PW 2001	Scrowland Athy	Surface water	40 ML/day	40	yes	Yes	No	1/3. and the max If ordinary	Abstraction commenced on the 10 th of July 2013.
	2006	ED 2021	Hybla	Groundwater	3.2	3.2	No	No	No	River	An alternative to the Barrow Abstraction. Carried out in vicinity of two dumps one of which is a historic County Council dump
	2006	ED 2019	Rathangan	Groundwater	5	5	No	No	No		An alternative to the Barrow Abstraction.
		EC 2012	Robertstown	Groundwater	5	5	No	Yes	No		An alternative to the Barrow Abstraction. In progress /inadequate EIS
		ED 2020	Johnstown Bridge	Groundwater	3.75	3.75	No	No	No		An alternative to the Barrow Abstraction. In progress
	2001-2005	ED 2023	Kildare town wellfield	Groundwater – main supply to Grand Canal / Barrow	Reduction from 95 to 17ML/D ¹	78	No	No	No		Transpired to be one of the alternatives to the Barrow Abstraction causing untold irreversible damage
Laois	2003	EC 2009	Portlaoise improvement scheme	Groundwater	20	20	No	Yes	No		Carried out and Laois CC used the same consultants as Kildare CC
	1980's		Portarlinton	Borehole at Lough					No		The borehole at Lough pumps approximately

¹ “The average hydraulic conductivity of 53 m/d obtained from the pump tests.” Oxford Geotechnical Report on the By-Pass 1993 amended 13 07 2015 to include the inspectors summary (exhibit MH 4 (a) at tab 7.

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											600 m3 directly to the network (the same consultants as Kildare and Laois County Councils
	1992		Portarlinton Water supply improvement scheme	surface abstraction increased (see letter 17 th Jan 2002) MH		4,380	yes for the 1992 abstraction	No			
	2003			Groundwater 6 production wells		5.812 ²	1992 only	No	No		2003 improvement / increase in abstraction rate carried out under part 8 of LGPD Regs 2001 No application to increase or extend under the Water Supplies Act.
	2009 ³		Portlaoise & Mountmellick Water Supply Scheme				Water Supplies Act not applied	EIS submitted	No		construction of 10 new wells, 12 kms. of new watermains, new reservoirs at Emo, Straboe, and Acragar and extended capacity at Kilminchy Water Treatment Plant. The Scheme is designed to cater for the projected water supply demand for the next 20 years resulting in a doubling of water supply capacity for Mountmellick.
Offaly	1998	98/493	New power station ⁴ at Clonbullogue	Surface water	5.760 Exact figures are unknown at present	5.76	No	Yes but not in compliance with Article 3	No		See p.34 of EIS The Maximum abstraction rate and the means of doing so have been agreed with the <u>Southern Fisheries Board</u> Who have no role in the Water Supplies Act
		PL 19/107858	Same/ new power station	Groundwater	unknown		No	See main proposal	No		Local people had to sink new or deeper wells.

² Nicholas O'Dwyer & Co - Portarlinton Water Supply Improvement Scheme- Design Review Report – Revision D- April 2003.

³ Portlaoise is constrained to the east and northeast by the Portlaoise Aquifer Protection Zone, which provides the public water supply for the greater Portlaoise and Mountmellick area.

⁴ Note on Edenderry 98/493 ‘The pump flow rates are based on the permitted abstraction volume of one third of the DWF, which equates to 240m3/hr. All components of the water abstraction facility are being designed in consultation with the relevant statutory authorities. The water is mainly required to replace evaporative losses from the cooling towers at EPL's Power Plant.’ NB.‘River water quality will not be effected by the water abstraction facility. The only discharges to the river from the facility will be rain water run-off.’

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	2006	PL 19.EL 2053	Rhode	Groundwater	10.5	10.5	No	Yes	No		Work in progress
					Total	182 ML D					

The Cumulative effects have not been considered. The previous (table 1) estimated the volume of 129.21M /D which represents over three times the maximum allowable if the Barrow was a normal river and not a navigation.

The EIS submitted for the Barrow abstraction does not include the abstractions at Portlaoise or Clonbullogue and none of the assessments are in compliance with Article 3 of the EIA directive and all the projects are without legal status.