

Location: Shannonbridge Power Station Co. Offaly		Unique ID: 250400 (from PFRA database)	
Initial OPW Designation	APSR <input type="checkbox"/>	AFRR <input type="checkbox"/>	IRR <input checked="" type="checkbox"/>
Co-ordinates	Easting: 197250	Northing: 224750	
River / Catchment / Sub-catchment	River Shannon / Shannon		
Type of Flooding / Flood Risk (identify all that apply)	Fluvial non-tidal <input checked="" type="checkbox"/> Fluvial tidal <input type="checkbox"/> Coastal <input type="checkbox"/>		

Stage 1: Desktop Review

<p>1.1 Flood History (include review of Floodmaps.ie)</p>	<p>River Flow Path</p> <p>The River Shannon flows from north to south through the town of Shannonbridge and past the Power Station, which is situated on the river's left bank. The confluence of the Rivers Suck and Shannon are in very close proximity to the power station.</p> <p>Flood Event Records</p> <p>Nine flood records are listed in floodmaps.ie. The main flood risk to the station would be the Shannon which can be exacerbated by the impacts of the Suck.</p>
<p>1.2 Relevant information on flooding issues from OPW and LA staff</p>	<p>PFRA database comments (<i>in italics</i>):</p> <p>OPW comments <i>IRR ESB power station. Approved – IRR. Existing IRR (Risk Review to be included)</i></p> <p>LA comments <i>2009, treatment plant could get flooded. Few vulnerable properties. Mainly power station. Request it to be risk reviewed. OPW IRR</i></p> <p>Meeting / discussion summary comments:</p> <p>OPW comments No comments</p> <p>LA comments No comments</p>

1.4 PFRA Data			
1.4.1 PFRA hazard mapping	PFRA mapping available in GIS layer:	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
	PFRA mapping included on FRR map:	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
1.4.2 Summary of Principal Receptors	Type	FRI score (if available)	
	Power_station_Weighted_F_C	250	
	ESB_HV_Sub_Weighted_F_C	250	
	Total	716.35	
Note: There are additional scores for other assets under the 1ESB_Shannonbridge PFRA database entry.			
1.7 Stage 1 Evaluation	Aspect	Clearly IRR	Uncertain
	Flood History (1.1)	X	
	OPW / LA Information (1.2)	X	
	PFRA Evaluation (1.4)	X	
	Overall Desktop Evaluation (if any above aspect is uncertain then overall designation is uncertain)	X	
1.8 Proposed level of assessment for Stage 2 site visits	Level A Site Visit		
	Level B Site Visit		X (refer to summary comment below)

Summary Comments
<p>The river Shannon in this locality has a long history of flooding. The PFRA mapping predicts an ongoing significant flood risk to Shannonbridge Power Station and the surrounding road / infrastructure network. Shannonbridge Power Station is confirmed as having sufficiently significant flood risk to warrant designation as an IRR following this desk based assessment.</p> <p>No site visit is warranted in accordance with Jacobs correspondence to OPW dated the 24th August 2011 (email ref: 147/MH) as the site has a clear flood history, and the PFRA evaluation indicates that the site is at risk.</p>

