MK2

Name of person filing the form	Date submitted
Sean Barrett	May 2012

Project name: Mk2

Company: Oceanlinx Ltd.

Project description:

Project Developer: Oceanlinx Ltd.

Technology type: Floating device, Oscillating Water Column

Resource: wave

Project scale: single device, 1/3 scale.

Installed capacity (MW): No turbine installed but instrumented for PTO calculations

Additional Description: Oceanlinx built and deployed an instrumented 1/3rd scale test unit of its Mk2 WEC in late 2007 and early 2008. The purpose of the Mk2 1/3 Scale was to obtain detailed technical data for floating devices.

Location: The device was located at Port Kembla, approximately 100km south of Sydney, Australia. 34°27'S 150°54'E

Process status: Test completed.

Licensing information:

The same lease that existed for the Mk1 covered this test program as the trials were conducted in the same area. The Mk2 device was not installed for an extended period, therefore the permitting required was not an issue. For this same reason, there were no environmental studies or surveys required.

Environmental survey issues:

Baseline and project effects studies: Oceanlinx Mk2 project				
General description	Environmental Statement			
Receptor	**Study description**	**Design and methods**	**Results**	**Status**
Physical environment	Water and sediment quality			
	Coastal processes (sediment fluxes, waves and tidal currents			
	Onshore physical environment			
	Investigation into the mixing effects provided by the flow discharged from the system's turbines			
Biological environment	Impact on designated sites			
	Marine ecology			
	Fish			
	Electromagnetic fields			
	Marine mammals			
	Onshore and intertidal ecology			
	Birds			
Human environment	Landscape and seascape			
	Archaeology and cultural heritage			
	Socio-economics			
	Noise			
	Commercial fisheries			
	Navigation: detailed navigation risk assessment			
	Other relevant projects			
Reports or papers				
Research projects				