



OCEANFLOWENERGY-SANDA SOUND

Name of person filing the form (can opt to omit from on-line form)

André Moura

Date submitted

25-06-2012

Project name: OceanFlowEnergy – Sanda sound

Project description: Tidal Turbine Engineering Demonstration

Project Developer: OceanFlowEnergy

Technology type: Floating Tethered Semi –Submerged Horizontal-Axis Tidal Turbine

Resource: Tidal

Project scale (test site, prototype, array, commercial): ¼ scale prototype

Installed capacity (MW): 0.035

Additional Description:

Project Website: <http://www.oceanflowenergy.com/project-details2.html>

Location: Pennyseorach, Southend, Argyll & Bute

Ocean/Water body Sanda Sound

Closest city: Glasgow

Country: Scotland

Coordinates: (please use Mercator) 55°18.168N 5°35.863W

Depth: Water – 22m, Device – 4m

Process status:

Current status of the project implementation and future developments: In construction

Expected operation date (if project is under way please indicate the start date): From October 2012

Licensing information (brief description):

All **licensing** for Marine Renewables in Scotland is coordinated and administered by Marine Scotland, a department of the Scottish Government. The seabed on which a marine renewables installation is located is **leased** through The Crown Estate.

Key Environmental issues:

Potential collisions between turbine blades and diving birds, marine mammals. Effect of seabed cable on migratory species and other electro-sensitive species.

Environmental webpage:

<http://www.oceanflowenergy.com/environment.html>

Baseline and project effects studies:				
General description				
Receptor	Study description including question and/or objective (several can be listed per receptor)	Design and methods (brief description)	Results (brief description)	Status (planned, underway, completed, with dates)
Physical environment	Flow measurement baseline	Digital flowmeter measurements from vessel	Flow speeds at site	Completed 10/2010
Benthos	Baseline Survey	Video footage obtained with Inspection ROV	Biotope, Species list and abundance	Completed 5/2011
Fish and fisheries				
Large vertebrates	Baseline Survey	Vantage point survey	Species list and frequency	Completed 7/2011
Birds	Baseline Survey	Vantage point survey	Species list and frequency	Completed 7/2011
Marine uses / users	Baseline Survey	Vantage point survey & AIS data	Vessel types and frequency	Completed 7/2011
Other (can be named)				
Reports and papers	<ul style="list-style-type: none"> - When possible the files themselves can be made available in downloadable PDF format, alternatively links to the files or project website can be provided when available. - Key papers on the areas addressed should be listed here 			
Research projects	Past or on-going environmental research projects at the site			

Monitoring and adaptive management				
General description				
Receptor	Monitoring program description including question and/or objective (several can be listed per receptor)	Design and methods (brief description)	Results (brief description)	Status (planned, underway, completed, with dates)
Physical				



environment				
Benthos	Pre- and post-installation comparative analysis	Video footage obtained with Inspection ROV		Planned
Fish and fisheries				
Large vertebrates	Pre- and post-installation comparative analysis	Vantage point survey		Planned
Birds	Pre- and post-installation comparative analysis	Vantage point survey		Planned
Marine uses/ users				
Other (can be named)				
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