

APP Cement Task Force's Project Final Report Form

Project Number: CMT- 07-08 sub. 3	Title of Project: Algal Biomass from Cement Kiln CO ₂ Emissions
Lead Partner Country: Canada	
Participating Partner Countries and Organizations: India	
Project Location: Canada	
Project Manager Information Name: Chris Cory Organization: Pond Biofuels Phone: (416) 616-0866 Address: Email: chris.c@pondbiofuels.com 6 Collinsgrove Road, Toronto, Ontario	
Project Start Date: April 1, 2010	Proposed Project End Date: March 31, 2011
Project Described : To demonstrate the viability, on a commercial scale, of a technology that will utilize cement kiln stack gas to produce algae, which in turn will be utilized as fuel. In turn the algae can be used as fuel or as feedstock for producing chemicals.	
Project Status and Outcome: Verification of algae growth using stack gases from a cement kiln - Completed Construct and operate a pilot-scale, scalable bioreactor for growing algae - Completed Demonstration of technology for conversion of algae into forms useable as fuels, providing a “closed loop” energy system, greatly reducing the demand for external sources of energy Applicability of the technology to other industrial processes	
Future Direction and Recommendation: This project has strong potential for reducing greenhouse gas emissions in cement plants, and also has applicability to other large industrial emitter industries. Continuation of this work is recommended.	
Other Information and Reference:	

