

## NOTICE OF CREATION OF EMISSION REDUCTION CREDITS

**Proponent:**

Suncor Energy Oil and Gas Partnership, by its administrator, Suncor Energy Inc.

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**Project Document:**

Project Document Title: Offset Project Plan: Suncor South Rosevear Acid Gas  
Injection Project  
Project Document Date: April 2010  
Annual Reports: Offset Project Report: Suncor South Rosevear Acid Gas  
Injection Project  
Project Document Date: April 2010

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**Project:**

Project Name: Suncor South Rosevear Acid Gas Injection Project

Project Description: The Suncor South Rosevear Acid Gas Injection Project (the Project) is an acid gas injection (AGI) located at the South Rosevear Sour Gas Processing Facility, near Edson, Alberta. The project includes the sequestration of acid gas, which contains carbon dioxide, H<sub>2</sub>S, and byproducts from sour gas treatment.

The South Rosevear Facility was originally built in 1979 and designed to treat 1409 e<sup>3</sup>m<sup>3</sup>/day sour natural gas containing approximately 8% hydrogen sulphide (H<sub>2</sub>S) and 6% carbon dioxide (CO<sub>2</sub>). Prior to the implementation of the acid gas injection project, the production had declined to less than 400 e<sup>3</sup>m<sup>3</sup>/day and the majority of the inlet gas to the plant was produced from new

sweet gas wells. Due to the challenges associated with operating the Claus sulphur recovery unit at a fraction of its design capacity, Suncor began to evaluate other options in 2006. In March 2007, the acid gas injection project was commissioned to replace the pre-existing sulphur recovery unit. Had Suncor not implemented an acid gas injection project, the most likely alternative would have been the retrofit of the existing Claus unit or the implementation of a new smaller sulphur recovery unit to accommodate the reduced sulphur inlet to the plant.

The operation of the acid gas injection scheme directly reduces greenhouse gas emissions compared to the prior sulphur recovery operations by geologically sequestering carbon dioxide contained in the acid gas stream and by reducing fossil fuel consumption normally required to safely incinerate the tail gas from the sulphur recovery unit. The acid gas, containing primarily carbon dioxide, is compressed, transported by pipeline and injected into a well-characterized producing reservoir called the Beaverhill Lake (BHL) B Pool.

The acid gas injection scheme is monitored in accordance with Energy Resources Conservation Board (ERCB) Approval No. 10738 to ensure that the injected acid gas is contained within the BHL B Pool for long term storage. On-going compliance with the ERCB approval and relevant monitoring requirements provide assurance that the injection of CO<sub>2</sub> results in real removals of GHG emissions that would normally have been released to the atmosphere.

Project Location: The Project is located at the South Rosevear Sour Gas Processing Facility (LSD 10/16-11-54-15 W5M), near Edson, Alberta.

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***Emission Reduction Credits:***

ERC Creation Period: March 5<sup>th</sup>, 2007 to December 31, 2007  
 Emission Type: tonnes of CO<sub>2</sub>e  
 Quantity: 14,950

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ERC Creation Period: January 1<sup>st</sup>, 2008 to December 31, 2008  
 Emission Type: tonnes of CO<sub>2</sub>e  
 Quantity: 7,469

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ERC Creation Period: January 1<sup>st</sup>, 2009 to December 31, 2009  
 Emission Type: tonnes of CO<sub>2</sub>e  
 Quantity: 3,145

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I am a duly authorized corporate officer of the Proponent mentioned above and have personally examined and am familiar with the information submitted in this Assertion Statement, the accompanying Project Document on which it is based. Based upon reasonable investigation, including my inquiry of those individuals responsible for obtaining the information, I hereby warrant that the submitted information is true, accurate and complete to the best of my knowledge and belief, and that all matters affecting the validity of the emission reduction claim or the protocol upon which it is based have been fully disclosed. I understand that any false statement made in the submitted information may result in de-registration of credits and may be punishable as a criminal offence in accordance with provincial or federal statutes.

Signature:



Date:

May 19/2010

Name:

Murray Adamson

Title:

General Manager Conventional Operations