

Nancy Hynes

From: Document Control
Sent: July 14, 2011 10:45 AM
To: Document Control
Subject: FW: Deep Panuke commitments 2.53 and 2.54 - EC response

From: Roma, Jayne [Dartmouth] [mailto:Jayne.Roma@EC.GC.CA]
Sent: July-13-11 11:46 AM
To: Eric Theriault
Cc: Hingston, Michael [Dartmouth]; McCracken, Ian [Dartmouth]
Subject: Deep Panuke commitments 2.53 and 2.54 - EC response

Eric,

EC provides the following response re: Deep Panuke air quality commitments 2.53 and 2.54, based on information provided during and after the July 7, 2011 meeting with EnCana:

Commitment 2.53

The purpose of this commitment was for the proponent to demonstrate that the initial predictions of compliance with required ambient concentrations still held once the actual turbine design emission rates were incorporated into the dispersion modeling. This was especially of concern with respect to nitrogen dioxide, where previous analysis showed the ambient concentrations to be near or even above the requirements. Modeling using the design emission rates predicted that the ambient NO₂ levels would comfortably meet the requirements. As sulphur dioxide is more a function of the fuel characteristics and not the combustion technology, there was no need to re-model this. Initial modeling of other air pollutants estimated ambient concentrations that were well below any ambient requirements, and a review of the turbine design emission rates did not indicate any reasonable likelihood that this would change appreciably. This commitment is now satisfied.

Commitment 2.54

The purpose of this commitment was for the proponent to demonstrate the use of best available technology given the project's operating requirements. This commitment is now satisfied, however, the proponent is encouraged to maintain contact with the ongoing federal initiatives on air emissions (i.e. Base Level Industrial Emissions Requirements) to ensure that their operations are consistent with any future changes in emission requirements.

Sincerely,

Jayne Roma

14/07/2011