

September 9, 2024

Office of the Regulator of Oil and Gas Operations (OROGO)
4th Floor Northwest Tower
5201 – 50th Avenue
Yellowknife NT
X1A 3S9
Email: OROGO@gov.nt.ca

Sent Via Email

Attention: Pauline de Jong, Executive Director, OROGO

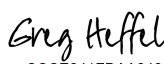
Re: Proposed ACW Variation Requests with Extension Request for the Tweed Lake M-47 (WID1476), Tweed Lake A-67 (WID1555), and Bele O-35 (WID1600) Wells (ACW-2021-SUN-M-47-WID1476; ACW-2021-SUN-A-67-WID1555; and ACW-2021-SUN-O-35-WID1600)

Dear Pauline:

Please find the additional information requested by OROGO as set out in the letter dated August 12, 2024.

We trust that the response provided will satisfy your current requirements and provides suitable documentation for your records. If you have any further questions or concerns, please do not hesitate to contact us.

Thank you,


DocuSigned by:

CCCE241FDAA2485...

Greg Heffel

Specialist Engineering - Completions

Suncor Energy Inc.

gheffel@suncor.com

DocuSigned by:

53E3D15DBBFC4D1...

Dara Schmidt

Development Lead - Legacy Properties

Suncor Energy Inc.

daraschmid@suncor.com

ATTACHMENTS:

1. Tweed Lake M-47 (WID1476) and Tweed Lake A-67 (WID1555) Wells (ACW-2021-SUN-M-47-WID1476; and ACW-2021-SUN-A-67-WID1555) ACW Variation Requests.

REQUEST:

If Suncor wishes to proceed with changes to the abandonment programs for the Tweed Lake M-47, Tweed Lake A-67, and Bele O-35 wells, Suncor must submit the following information to OROGO by September 9, 2024:

1. Variation requests for ACW-2021-SUN-M-47-WID1476, ACW-2021-SUN-A-67-WID1555, and ACW-2021-SUN-O-35-WID1600.
2. A request for extension to the March 31, 2025, deadline for abandonment of the Tweed Lake M-47, Tweed Lake A-67, or Bele O-35 wells.

RESPONSE:

1. ACW Updates

Variation requests required for the Approvals to Alter Condition of the wells for ACW-2021-SUN-M-47-WID1476, ACW-2021-SUN-A-67-WID1555, and ACW-2021-SUN-O-35-WID1600 are attached.

2. Extension Request

Suncor requests an extension to our abandonment deadline from March 31, 2025 to October 31, 2025. Suncor intends to complete the abandonment program starting May 15th, 2025. The program is estimated to take approximately 45 days. The extension request has included time for submission of final reporting and contingency days should the operations be extended due to extenuating circumstances i.e. incremental weather and or wildfires in spring/summer 2025.

The Suspended Well Compliance Assessment for these wells was revised to remove the requirement for remedial isolation of the uncemented portion of the wellbore based on your February 21, 2024 decision. This decision allowed Suncor to pivot our winter operation planning efforts towards an abandonment program via helicopter. The timeline between the decision and the window of maximum weight on the winter road to Colville Lake between February 29th to March 28th, 2024, meant that Suncor could not procure and mobilize alternative helicopter abandonment equipment and materials in the winter 2024 season. Due to barging restrictions Suncor was also not able to stage equipment in spring 2024. Attempts to complete the project via helicopter in advance of the March 31, 2025 deadline was deemed not feasible due to the inability to ship supplies and a heli-portable wireline unit into the area.

Suncor is confident that the present partnership available with local service companies can support the fall 2024 preparations operations (laydown area development, supplies and materials shipment), ahead of the spring/summer 2025 abandonment.

A variation request #2 for Operations Authorization OA-2021-003-SUN with supporting documents will be submitted separately on September 30, 2024.

ATTACHMENT 1

(ACW-2021-SUN-M-47-WID1476, ACW-2021-SUN-A-67-WID1555,
AND ACW-2021-SUN-O-35-WID1600)

APPROVAL TO ALTER THE CONDITION OF A WELL

This form is an application for a Well Approval under Section 10 of the *Oil and Gas Drilling and Production Regulations*.

INSTRUCTIONS:

1. Complete both pages.
2. Send one electronic copy of this form and supporting technical documentation by email to orogo@gov.nt.ca. If you wish to communicate with OROGO in hard copy, please do so using the courier address found at www.orogo.gov.nt.ca.

WELL INFORMATION

Well Name	SUNCOR et al TWEED LAKE A-67	Operator	Suncor Energy
Well Type	Exploratory Well (if Other, specify _____)	Contractor	_____

RELATED LICENCES, PERMITS, AND AUTHORIZATIONS

Operating Licence No.	NWT-OL-2014-008	Operations Authorization	OA-2021-003-SUN
PRA Licence No.	Exploration Licence 1555	Station Keeping Land Structure	Not Applicable Conventional Land
Land Use Permit No.	S22A-001	Issued by:	Sahtu Land and Water Board
Water Licence No.	S22L1-001	Issued by:	Sahtu Land and Water Board

ACTIVITY INFORMATION

Current Well Status	Suspended	Anticipated Well Status	Abandoned
Well Path	Vertical	Elevation KB/RT	397.1 m
Approximate Start Date	May 15/25	Ground Level / Seafloor	600 m
Est. Days on Location	14 days	Anticipated Total Depth	1250.7 m KB

WELL OPERATION PROGRAM

Activity Type	Top to Bottom Interval (m KB)	Comments
Select	705.0-706.0	Permanent Bridge plug install depth
Select	0-1250.7	Abandon wellbore to OROGO Well Suspension and
Select	-	Abandonment Guidelines and Interpretation Notes
Select	-	

Additional Information Install a bridge plug below the base of ground water protection to isolate the fresh water from the inhibited water.

"I certify that the information provided on this form is true and correct"

Name	<u>Greg Heffel</u>	Phone	<u>(403) 816-2422 Ext</u>
Title	<u>Specialist Completions Engineer</u>	E-Mail	<u>gheffel@suncor.com</u>
Operator	<u>Suncor Energy</u>		
Signature	<u><i>Greg Heffel</i></u> <i>Responsible Officer of Company</i>	Date	<u>Sept 9/24</u>

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WELL INFORMATION

Well Name	SUNCOR et al TWEED LAKE M-47	Operator	Suncor Energy
Well Type	Exploratory Well (if Other, specify _____)	Contractor	_____

RELATED LICENCES, PERMITS, AND AUTHORIZATIONS

Operating Licence No.	NWT-OL-2014-008	Operations Authorization	OA-2021-003-SUN
PRA Licence No.	Exploration Licence 1476	Station Keeping Land Structure	Not Applicable Conventional Land
Land Use Permit No.	S22A-001	Issued by:	Sahtu Land and Water Board
Water Licence No.	S22L1-001	Issued by:	Sahtu Land and Water Board

ACTIVITY INFORMATION

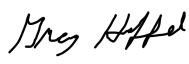
Current Well Status	Suspended	Anticipated Well Status	Abandoned
Well Path	Vertical	Elevation KB/RT	435.22 m
Approximate Start Date	May 15/25	Ground Level / Seafloor	600 m
Est. Days on Location	14 days	Anticipated Total Depth	1179.8 m KB

WELL OPERATION PROGRAM

Activity Type	Top to Bottom Interval (m KB)	Comments
Select	615.0-616.0	Permanent Bridge plug install depth
Select	0-1179.8	Abandon wellbore to OROGO Well Suspension and
Select	-	Abandonment Guidelines and Interpretation Notes
Select	-	

Additional Information Install a bridge plug below the base of ground water protection to isolate the fresh water from the inhibited water.

"I certify that the information provided on this form is true and correct"

Name	<u>Greg Heffel</u>	Phone	<u>(403) 816-2422 Ext</u>
Title	<u>Specialist Completions Engineer</u>	E-Mail	<u>gheffel@suncor.com</u>
Operator	<u>Suncor Energy</u>		
Signature	<u></u>	Date	<u>Sept 9/24</u>
	<i>Responsible Officer of Company</i>		

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WELL INFORMATION

Well Name	SUNCOR et al Bele O-35	Operator	Suncor Energy
Well Type	Exploratory Well (if Other, specify _____)	Contractor	_____

RELATED LICENCES, PERMITS, AND AUTHORIZATIONS

Operating Licence No.	NWT-OL-2014-008	Operations Authorization	OA-2021-003-SUN
PRA Licence No.	Exploration Licence 1600	Station Keeping	Not Applicable
		Land Structure	Conventional Land
Land Use Permit No.	S22A-001	Issued by:	Sahtu Land and Water Board
Water Licence No.	S22L1-001	Issued by:	Sahtu Land and Water Board

ACTIVITY INFORMATION

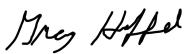
Current Well Status	Suspended	Anticipated Well Status	Abandoned
Well Path	Vertical	Elevation KB/RT	397.76 m
Approximate Start Date	May 15/25	Ground Level / Seafloor	600 m
Est. Days on Location	14 days	Anticipated Total Depth	1384.0 m KB

WELL OPERATION PROGRAM

Activity Type	Top to Bottom Interval (m KB)	Comments
Select	700.0-701.0	Permanent Bridge plug depth to be finalized after logging.
Select	0-1384.0	Abandon wellbore to OROGO Well Suspension and
Select	-	Abandonment Guidelines and Interpretation Notes
Select	-	

Additional Information Install a bridge plug below the base of ground water protection to isolate the fresh water from the inhibited water.

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