CMD 20-M29

Date: 2020-09-03 File / dossier : 6.02.04 Edoes pdf : 6373150

Event Initial Report

Rapport initial d'événement

Suncor Energy Inc.

Fire at Suncor Tar Island location, near Fort McMurray

Suncor Energy Inc.

Incendie au site de Suncor Tar Island, près de Fort McMurray

Commission Meeting

Réunion de la Commission

September 16, 2020

Le 16 septembre 2020



EVENT INITIAL REPORT (EIR)

					E-DOC	S-# 6367940
EIR: Fire at Suncor Tar Island location						
Prepared by: NSRDLD/ DNSR						
Licensee: Suncor Energy Inc.	Location:	Location: Hwy 63, Fort McMurray, AB				
Date Event was Discovered: 2020-08-14	te Event was Discovered: 2020-08-14 Have Regulatory Reporting Requirements been met? Yes ☑ No ☐ Proactive Disclosure:				•	
	Licensee:	Yes 🖂	No 🗌	CNSC:	Yes 🛚	No 🗌
Overview						
Reporting Criteria: An occurrence or incident that re	ceives substa	ntial media	a coverage o	r that has a hi	gh public	visibility.
Description: A fire broke out in Plant 4 at the Suncoon the evening of Friday, August 14 th , 2020. The radi the situation on Saturday, August 15 th , 2020 at approin Plant 4 and in the adjacent Plant 16. These gauges side and a detector on the opposite side, as seen in the 27 th , 28 th and 31 st and indicated that there were three impacted by the fire.	iation safety o oximately 12: s are installed the picture be	officer (RS0 00 pm (ES outside o llow. The I	D) contacted T). There are f pipes and c RSO provided	the CNSC Du 17 fixed nucl onsist of a so d updates on	ty Officer ear gauge urce holde August 17	to report es installed er on one oth, 24 th ,
The licensee was able to get within 10 feet of the tw scaffolding is required to get any closer. The RSO reperimeter. He also indicated that the gauges appear areas around them. The radiation warning sign was sthat are potentially affected, the licensee has not yet perform the initial assessments since they are in an indicated that the fire did not reach that area and the their condition. As for the remaining gauge, the RSO fire (this is the photograph below). The RSO reported held survey meter, showed a dose rate of approximation.	ported that the content to be in go still intact and the content to be area where the content they are or they are or they are that measured that measured.	e readings od condit I had not r o safely accepted is high do not exp cures of the	s were appro ion, with no melted. For t cess two of t n benzene co pect any head e gauge fron aken at appro	ximately 0.5 pobvious signs he three gauges at incentration it damage but n Plant 4 that oximately 1 for	uSv/hr at of damag ges located that locat in the air. still want was close not using a	the 10 foot ge to the d in Plant 4 ion to The RSO to confirm est to the a long hand

side and that the plastic labels do not appear to have melted and insulation around it is still intact. The RSO also indicated that they will ask a qualified third party to come to the site to assess the conditions of all five potentially affected gauges

As of August 28, 2020, safe barriers are still in place to ensure the areas are isolated, with no access to the gauges until the licensee can safely assess their condition. The full report for this event is to be submitted to the CNSC by September 5th (21 days following the event).

once the plant is in a safe state.

Note that this licensee also reported a fire at a different location within the Fort McMurray area in December 2019, for which an EIR was verbally presented to the Commission in that same month. CNSC staff provided an update on this EIR to the Commission in September 2020, noting the removal of the devices involved in that fire, which have been sent for storage until disposal.

Gauge

Detector

EVENT INITIAL REPORT (EIR)

E-DOCS-# 6367940

EIR: Fire at Suncor Tar Island location						
Cause(s): The cause of the fire is currently unknown and is under investigation						
Impact of the Event						
On People:						
How many workers have been (or may be) affected? <u>0</u>						
How many members of the public have been (or may be) affected by the event? <u>0</u>						
How were they affected?						
No injuries or exposures to persons reported, there was no one in the building at the time that the fire broke out and survey meter readings taken near the five potentially affected gauges were at background						
On the Environment: N/A (from the nuclear substances)						
Other Implications: None						
Licensee Actions						
Taken or in Progress: The licensee is waiting for safe access to the potentially damaged gauges in order to have a full assessment completed by a third party expert.						
Planned: A full event report is due to the CNSC by September 5th, 2020.						
CNSC Actions						
Taken or in Progress: CNSC staff (Duty Officer) was informed and received the initial report on Saturday, August 15 th , 2020. Updated information was also provided to CNSC staff on August 17 th , 24 th and 27 th . The CNSC posted the information on this event on its website on August 26 th . CNSC staff will continue to review the information as it is being provided by the licensee.						
At this time there are no concerns with respect to safety of persons or the environment as the measured dose rates are within background levels.						
Planned: None						
Additional reporting to the Commission Members anticipated:						
☐ Yes						
⊠ No						
If Yes, provide method of reporting:						
Name and Title	Signature					
Karen Owen-Whitred	KOwen-Whited	Sept. 3, 2020				
DNSR	Director General					
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