



2020 Annual Summary Tables

**Technical Standards to Manage Air Pollution: Petroleum Refining -
Industry Standard, O. Reg. 419/05**

Part X – Complaints, Records and Reporting

Nanticoke Refinery, Imperial

March 31, 2021

Introduction

The annual summary tables included in this report were developed in accordance with the requirements of Section X, subsection 65(2)1. & 65(2)8. of the Technical Standards to Manage Air Pollution: Petroleum Refining - Industry Standard, O. Reg. 419/05.

Section 65(2) Paragraph 1 – Implementation Summary Table

Implementation Summary Table:

Part	Title	Section	Sub Part	Date Required	Date Complete
PART II – PERFORMANCE	Flare	5		01-Jan-2020	01-Jan-2020
PART II – PERFORMANCE	Air pollution control device – Benzene heartcut loading rack vapours	6		01-Jul-2019	01-Jul-2019
PART II – PERFORMANCE	Air pollution control device – Gasoline loading rack vapours	6		Date of resumption of gasoline loading*	
PART III – STORAGE VESSELS	Storage vessels – identification	9	1 & 2	28-Jul-2017	28-Jul-2017
PART III – STORAGE VESSELS	Storage vessels – identification	9	3 & 4	28-Jul-2017	28-Jul-2017
PART III – STORAGE VESSELS	Storage vessels – identification	9	5(1-2)	01-Jan-2018	28-Jul-2017
PART III – STORAGE VESSELS	Storage vessels – identification	9	5(3)	01-Jan-2025	
PART III – STORAGE VESSELS	Storage vessels – identification	9	7	01-Jan-2023	
PART III – STORAGE VESSELS	Storage vessels -application	10	1	01-Jan-2018	28-Jul-2017
PART III – STORAGE VESSELS	Floating roof -requirement to float	11	1	28-Jul-2017	28-Jul-2017
PART III – STORAGE VESSELS	Floating roof -requirement to float	11	3	28-Jul-2017	28-Jul-2017
PART III – STORAGE VESSELS	Storage vessels -OGI inspection	17	1	01-Jan-2018	01-Jan-2018
PART III – STORAGE VESSELS	Storage vessels in benzene service – general record	21	1	28-Jul-2017	28-Jul-2017
PART III – STORAGE VESSELS	Storage vessel inspection record	22	1	28-Jul-2017	28-Jul-2017
PART IV – AIR EMISSIONS FROM INDUSTRIAL SEWAGE	Primary oil-water separators – requirement selection	24	1.1	01-Mar-2018	01-Mar-2018
PART IV – AIR EMISSIONS FROM INDUSTRIAL SEWAGE	Primary oil-water separators – monitoring and control requirements	25	(1)	01-Jul-2018	01-Jul-2018
PART IV – AIR EMISSIONS FROM INDUSTRIAL SEWAGE	Primary oil-water separators – monitoring and control requirements	25	(2)	01-Jul-2018	29-Jun-2018
PART IV – AIR EMISSIONS FROM INDUSTRIAL SEWAGE	Primary oil-water separator record – general	30		01-Jul-2018	01-Jul-2018

Part	Title	Section	Sub Part	Date Required	Date Complete
PART IV – AIR EMISSIONS FROM INDUSTRIAL SEWAGE	Drains and maintenance access points – measurement and control requirements	33		01-Jul-2019	25-Jun-2019
PART IV – AIR EMISSIONS FROM INDUSTRIAL SEWAGE	Drain and maintenance access point record	34		01-Jul-2019	25-Jun-2019
PART V – PRODUCT LOADING	Benzene-containing product loading operations – application	35	1	31-Mar-2018	31-Mar-2018
PART V – PRODUCT LOADING	Benzene-containing product loading operations – application	35	2	01-Jul-2019 for Benzene heartcut loading rack; Date of resumption of gasoline loading for Gasoline loading rack	01-Jul-2019 for benzene heartcut loading rack
PART V – PRODUCT LOADING	Cargo tank loading operations – general operating requirements	36		28-Jul-2017 for Gasoline loading rack; Benzene heartcut loading rack n/a (closed system)	28-Jul-2017
PART V – PRODUCT LOADING	Vapour-tight cargo tanks	37		01-Jan-2018	01-Jan-2018
PART VI – LEAK DETECTION AND REPAIR	Component identification	38	1-5	01-Jan-2018	01-Jan-2018
PART VI – LEAK DETECTION AND REPAIR	Component leak survey – general	39	1	01-Jan-2018	01-Jan-2018
PART VI – LEAK DETECTION AND REPAIR	Component leak survey – general	39	2-5	30-Jun-2018 30-Sep-2018 31-Dec-2018	30-Jun-2018 30-Sep-2018 31-Dec-2018
PART VI – LEAK DETECTION AND REPAIR	Component leak survey – general	39	6	01-Mar-2018	26-Feb-2018
PART VI – LEAK DETECTION AND REPAIR	Component leak survey – assessment and measurement of leaks	40	5	01-Jan-2023	
PART VI – LEAK DETECTION AND REPAIR	Component leak survey plan	41	(1)	01-Mar-2018	01-Mar-2018
PART VI – LEAK DETECTION AND REPAIR	Component leak survey plan	41	(3)	01-Mar-2018	19-Feb-2018
PART VI – LEAK DETECTION AND REPAIR	Additional leak measurements - pumps, compressors and pressure relief devices	42		01-Jan-2023	
PART VI – LEAK DETECTION AND REPAIR	Leaks -deviations and repair	43	(1)	01-Jan-2018	01-Jan-2018
PART VI – LEAK DETECTION AND REPAIR	Leaks -deviations and repair	43	(2)1.	01-Jan-2020	01-Jan-2020
PART VI – LEAK DETECTION AND REPAIR	Leaks -deviations and repair	43	(2)2.	01-Jan-2023	
PART VI – LEAK DETECTION AND REPAIR	Delay of repair list	44	1-3	01-Jan-2020	01-Jan-2020
PART VI – LEAK DETECTION AND REPAIR	Delay of repair list	44	4	01-Jul-2018 31-Dec-2018	28-Jun-2018 17-Dec-2018
PART VI – LEAK DETECTION AND REPAIR	Delay of repair list	44	9	01-Jan-2020	01-Jan-2020

Part	Title	Section	Sub Part	Date Required	Date Complete
PART VI – LEAK DETECTION AND REPAIR	Leaking components -annual calculations	47		31-Mar-2019	31-Mar-2019
PART VI – LEAK DETECTION AND REPAIR	Records -component leak survey	48	(1) 1-5	30-Jun-2018 30-Sep-2018 31-Dec-2018	30-Jun-2018 30-Sep-2018 31-Dec-2018
PART VI – LEAK DETECTION AND REPAIR	Records -component leak survey	48	(1) 6-13	29-Aug-2018 21-Nov-2018 27-Feb-2019	29-Aug-2018 21-Nov-2018 27-Feb-2019
PART VI – LEAK DETECTION AND REPAIR	Records -component leak survey	48	(2) 1-5	30-Jun-2018 30-Sep-2018 31-Dec-2018	30-Jun-2018 30-Sep-2018 31-Dec-2018
PART VI – LEAK DETECTION AND REPAIR	Records -component leak survey	48	(2) 6	30-Jun-2018 30-Sep-2018 31-Dec-2018	30-Jun-2018 30-Sep-2018 31-Dec-2018
PART VI – LEAK DETECTION AND REPAIR	Records – additional leak measurements	49	1-7	01-Jan-2023	
PART VI – LEAK DETECTION AND REPAIR	Records – additional leak measurements	49	8-13	01-Jan-2023	
PART VII – OPERATION	Technology requirements – open-ended valves	50		01-Jan-2018	01-Jan-2018
PART VII – OPERATION	Technology requirements – surge control vessels and bottoms receivers	51		01-Jan-2020	01-Jan-2020
PART VII – OPERATION	Operating parameter summary table	52		01-Jan-2018	01-Jan-2018
PART VIII – REQUIREMENT TO CONTINUE THE USE OF METHODS TO MANAGE EMISSIONS	Identifying managed sources	55		01-Jan-2018	01-Jan-2018
PART IX – AMBIENT MONITORING	Ambient monitoring -benzene	60		01-Jan-2018	01-Jan-2018
PART IX – AMBIENT MONITORING	Benzene measurements baseline	61		31-Mar-2021	31-Mar-2021
PART IX – AMBIENT MONITORING	Statistical analysis of benzene measurements	62		31-Mar-2022	
PART X – COMPLAINTS, RECORDS AND REPORTING	Complaints procedure	64	(1)1-3	01-Jan-2018	01-Jan-2018
PART X – COMPLAINTS, RECORDS AND REPORTING	Annual summary reports	65		31-Mar-2019	31-Mar-2019
PART X – COMPLAINTS, RECORDS AND REPORTING	Public reporting – ambient monitoring	66	(1)	01-Jan-2018	01-Jan-2018
PART X – COMPLAINTS, RECORDS AND REPORTING	Public reporting – ambient monitoring	66	(2)	12-Mar-2018	09-Mar-2018

Section 65(2) Paragraph 8 – Performance Summary Table

Requirement	Summary
2020 subsections 8 (1) notifications	One – At approximately 9am on December 9 th , 2020, a pressure safety valve (PSV) opened on a truck during loading of the benzene concentrate stream (BCS) at the loading rack. The PSV was open for approximately two seconds. The release was confirmed to be nitrogen (N ₂) from the headspace of the truck containing less than 1.5% benzene. The total release from the opening was calculated as 3.09 ft ³ . The local MECP Officer was immediately notified as per the requirements of Section 8.
2020 subsections 11 (1) contraventions	None
2020 subsections 26 (1) contraventions	None
2020 subsection 52 (5) orders	None
2020 subsection 58 orders	None