



**O. Reg. 530/18: Air Pollution – Discharge of Sulphur Dioxide from  
Petroleum Facilities**

**Sulphur Dioxide discharged September 9-10<sup>th</sup>, 2019**

**Nanticoke Refinery, Imperial**

**October 31, 2019**

## Introduction

As required by section 6. (4) of O.Reg 530/18, public posting of the amount of sulphur dioxide discharged from acid gas equipment when the SRU fails to operate in a normal manner must be made within 60 days of the amount being calculated.

See below table of the hourly discharge of sulphur dioxide on September 9<sup>th</sup> and 10<sup>th</sup>, 2019 as well as the rolling preceding 24- hour sum of sulphur dioxide discharged.

O. Reg. 530/18 Report – Nanticoke Refinery

| Hour Start   | Hour End     | SO <sub>2</sub> discharged in hour, kg | Rolling preceding 24-hr SO <sub>2</sub> sum (kg) |
|--------------|--------------|----------------------------------------|--------------------------------------------------|
| Sep 09 02:00 | Sep 09 03:00 | 8                                      | 8                                                |
| Sep 09 03:00 | Sep 09 04:00 | 39                                     | 47                                               |
| Sep 09 04:00 | Sep 09 05:00 | 0                                      | 47                                               |
| Sep 09 05:00 | Sep 09 06:00 | 0                                      | 47                                               |
| Sep 09 06:00 | Sep 09 07:00 | 0                                      | 47                                               |
| Sep 09 07:00 | Sep 09 08:00 | 0                                      | 47                                               |
| Sep 09 08:00 | Sep 09 09:00 | 0                                      | 47                                               |
| Sep 09 09:00 | Sep 09 10:00 | 0                                      | 47                                               |
| Sep 09 10:00 | Sep 09 11:00 | 0                                      | 47                                               |
| Sep 09 11:00 | Sep 09 12:00 | 0                                      | 47                                               |
| Sep 09 12:00 | Sep 09 13:00 | 0                                      | 47                                               |
| Sep 09 13:00 | Sep 09 14:00 | 0                                      | 47                                               |
| Sep 09 14:00 | Sep 09 15:00 | 0                                      | 47                                               |
| Sep 09 15:00 | Sep 09 16:00 | 0                                      | 47                                               |
| Sep 09 16:00 | Sep 09 17:00 | 0                                      | 47                                               |
| Sep 09 17:00 | Sep 09 18:00 | 0                                      | 47                                               |
| Sep 09 18:00 | Sep 09 19:00 | 0                                      | 47                                               |
| Sep 09 19:00 | Sep 09 20:00 | 0                                      | 47                                               |
| Sep 09 20:00 | Sep 09 21:00 | 0                                      | 47                                               |
| Sep 09 21:00 | Sep 09 22:00 | 0                                      | 47                                               |
| Sep 09 22:00 | Sep 09 23:00 | 0                                      | 47                                               |
| Sep 09 23:00 | Sep 10 00:00 | 600                                    | 647                                              |
| Sep 10 00:00 | Sep 10 01:00 | 521                                    | 1,167                                            |
| Sep 10 01:00 | Sep 10 02:00 | 444                                    | 1,611                                            |
| Sep 10 02:00 | Sep 10 03:00 | 329                                    | 1,932                                            |
| Sep 10 03:00 | Sep 10 04:00 | 238                                    | 2,131                                            |
| Sep 10 04:00 | Sep 10 05:00 | 176                                    | 2,307                                            |
| Sep 10 05:00 | Sep 10 06:00 | 137                                    | 2,444                                            |
| Sep 10 06:00 | Sep 10 07:00 | 114                                    | 2,558                                            |
| Sep 10 07:00 | Sep 10 08:00 | 89                                     | 2,647                                            |
| Sep 10 08:00 | Sep 10 09:00 | 65                                     | 2,712                                            |
| Sep 10 09:00 | Sep 10 10:00 | 39                                     | 2,751                                            |
| Sep 10 10:00 | Sep 10 11:00 | 17                                     | 2,769                                            |
| Sep 10 11:00 | Sep 10 12:00 | 5                                      | 2,774                                            |
| Sep 10 12:00 | Sep 10 13:00 | 1                                      | 2,775                                            |
| Sep 10 13:00 | Sep 10 14:00 | 1                                      | 2,775                                            |
| Sep 10 14:00 | Sep 10 15:00 | 1                                      | 2,776                                            |
| Sep 10 15:00 | Sep 10 16:00 | 1                                      | 2,776                                            |
| Sep 10 16:00 | Sep 10 17:00 | 0                                      | 2,777                                            |
| Sep 10 17:00 | Sep 10 18:00 | 1                                      | 2,778                                            |
| Sep 10 18:00 | Sep 10 19:00 | 1                                      | 2,778                                            |
| Sep 10 19:00 | Sep 10 20:00 | 1                                      | 2,779                                            |
| Sep 10 20:00 | Sep 10 21:00 | 1                                      | 2,780                                            |
| Sep 10 21:00 | Sep 10 22:00 | 1                                      | 2,781                                            |
| Sep 10 22:00 | Sep 10 23:00 | 1                                      | 2,782                                            |
| Sep 10 23:00 | Sep 11 00:00 | 0                                      | 2,182                                            |
| Sep 11 00:00 | Sep 11 01:00 | 0                                      | 1,662                                            |
| Sep 11 01:00 | Sep 11 02:00 | 0                                      | 1,218                                            |
| Sep 11 02:00 | Sep 11 03:00 | 0                                      | 890                                              |
| Sep 11 03:00 | Sep 11 04:00 | 0                                      | 652                                              |
| Sep 11 04:00 | Sep 11 05:00 | 0                                      | 477                                              |
| Sep 11 05:00 | Sep 11 06:00 | 0                                      | 340                                              |
| Sep 11 06:00 | Sep 11 07:00 | 0                                      | 226                                              |
| Sep 11 07:00 | Sep 11 08:00 | 0                                      | 137                                              |
| Sep 11 08:00 | Sep 11 09:00 | 0                                      | 72                                               |
| Sep 11 09:00 | Sep 11 10:00 | 0                                      | 33                                               |
| Sep 11 10:00 | Sep 11 11:00 | 0                                      | 16                                               |
| Sep 11 11:00 | Sep 11 12:00 | 0                                      | 11                                               |
| Sep 11 12:00 | Sep 11 13:00 | 0                                      | 10                                               |
| Sep 11 13:00 | Sep 11 14:00 | 0                                      | 9                                                |
| Sep 11 14:00 | Sep 11 15:00 | 0                                      | 8                                                |
| Sep 11 15:00 | Sep 11 16:00 | 0                                      | 8                                                |
| Sep 11 16:00 | Sep 11 17:00 | 0                                      | 7                                                |
| Sep 11 17:00 | Sep 11 18:00 | 0                                      | 7                                                |
| Sep 11 18:00 | Sep 11 19:00 | 0                                      | 6                                                |
| Sep 11 19:00 | Sep 11 20:00 | 0                                      | 5                                                |
| Sep 11 20:00 | Sep 11 21:00 | 0                                      | 4                                                |
| Sep 11 21:00 | Sep 11 22:00 | 0                                      | 3                                                |
| Sep 11 22:00 | Sep 11 23:00 | 0                                      | 2                                                |
| Sep 11 23:00 | Sep 12 00:00 | 0                                      | 2                                                |
| Sep 12 00:00 | Sep 12 01:00 | 0                                      | 1                                                |
| Sep 12 01:00 | Sep 12 02:00 | 0                                      | 1                                                |
| Sep 12 02:00 | Sep 12 03:00 | 0                                      | 1                                                |
| Sep 12 03:00 | Sep 12 04:00 | 0                                      | 0                                                |