

The following Newcastle Grain Terminal monthly monitoring summary report has been prepared by GrainCorp in accordance with Section 66 of the *Pollution of the Environment Operations Act 1997*. Monitoring data shared with the public on the website includes that collected as part of the Environmental Protection Licence (EPL) for the Newcastle Grain Terminal site. Monthly monitoring summaries are completed on the last day of any given month for the data collected.

Report contents

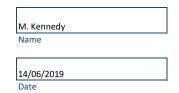
Section A. Map of Newcastle Grain Terminal and the location of sampling points as per the Environmental Protection Licence

| | Monitoring triggered in this period and | Yes | n No |
|--|---|---------------|---------------------------------|
| Section B. Newcastle Grain Terminal fumigation emissions monitoring (Sampling Point 2) | summarised in report? | see Section B | has not been included in report |

Site details

| EPL Number | 1296 |
|--------------------------|---|
| Licensee Name | GrainCorp Operations Limited |
| Address | Newcastle Grain Terminal |
| EPL Public Register Link | https://apps.epa.nsw.gov.au/prpoeoapp/Detail.aspx?instid=1296&id=1296&option=licence&searchrange=licence⦥=POEO%20licence&prp=no&status=Issued |

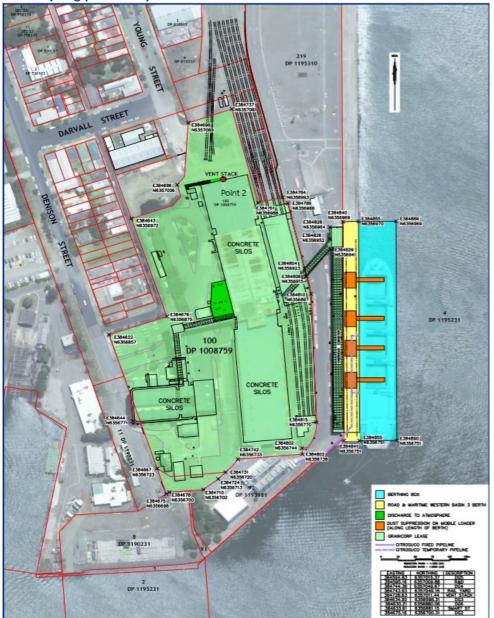
Technical Reviewer



Date published to website

14/06/2019 Date

A. Sampling points as per EPL - Newcastle Grain Terminal



Environment Protection licence (EPL) Monitoring Locations

| Point | Location at Newcastle Grain Terminal | | | | | |
|-------|---|--|--|--|--|--|
| 2 | Discharge from the vent stack fumigation chamber located at the northern-most grain silos | | | | | |

B. GrainCorp - Newcastle fumigant ventilation monitoring data summary: May 2019

All air monitoring has been conducted in accordance with the methodology prescribed or a methodology approved in writing with NSW EPA.

Monitoring frequency: Continuous during every ventilation

No. of ventilation events during month: 5

| Sampling date (start of ventilation event) | Pollutant (discharged to air) | Sampler (fumigator) | Result | | Limit | | Monitoring | E |
|--|-------------------------------|------------------------|------------|------------|-------------------------------|-----------------------|-------------------|------------------------|
| | | | Min. value | Max. value | 100 percentile (allowable) | Units of measure | point location | Exceedance (yes/no) |
| | | | | | | | | |
| No methyl bromide | Scenario 1 | - | | | - | | | |
| ventilation events | Methyl bromide | - | - | - | 10 | grams per cubic meter | - | - |
| during May | Volumetric flow rate | - | - | - | 0.494 | meters cubed/ second | - | - |
| Scenario 2 | | | | | | | | |
| | Methyl bromide | - | - | - | 19.4 | grams per cubic meter | - | - |
| | Volumetric flow rate | - | - | - | 0.17 | meters cubed/ second | - | - |
| | | | | | | | | |
| 1/05/2010 | | A.Donnelly | | | | | | |
| 1/05/2019 | | T. Brown | | 70 | | | | |
| Silo J4 | Phosphine | P. Carpenter | N/A | 72 | 73 | parts per million | Point 2 | No |
| 17/05/2019 | | A.Donnelly | | | | | | |
| Silo H4 | Phosphine | J. Forman | N/A | 48 | 73 | parts per million | Point 2 | No |
| 24 /05 /2010 | | | | | | | | |
| 21/05/2019 | | A.Donnelly | N1/A | 70 | | | Delint 2 | N |
| Silo J1 | Phosphine | J. Neill | N/A | 70 | 73 | parts per million | Point 2 | No |
| 24/05/2019 | | A.Donnelly | | | | | | |
| Silo J2 | Phosphine | J. Neill | N/A | 50 | 73 | parts per million | Point 2 | No |
| 27/05/2010 | | A Donnally | | | | | | |
| 27/05/2019 Silo H5 | Phosphine | A.Donnelly T. Brown | N/A | 72 | 73 | parts per million | Point 2 | No |

MONITORING NOTES:

Scenario 1 is defined as having a fumigation concentration of 10 grams per cubic meter and a one hour initial ventilation period

Scenario 2 is defined as having a fumigation concentration of 19.4 grams per cubic meter and a three hour initial ventilation period