



**GRAYMONT**

# Annual Review

## Galong, NSW

May 16, 2023 – May 17, 2024

Name of Operation	Galong Lime Kiln and Limestone Mine
Name of Operator	Graymont
Development Consent approval #	DA-317-7-2003-i MOD4
Mining Lease	1745 & 1496
Water Licence #	30047 & 28703
Name of Holder of Water licence	Graymont (NSW) Pty Ltd
Annual Review start date	16 May 2023
Annual Review end date	17 May 2024
<b>I, Raylene Slade, certify that this audit report is a true and accurate record of the compliance status of GALONG for the period MAY 16, 2023, TO MAY 17, 2024, and that I am authorised to make this statement on behalf of GRAYMONT.</b> <i>Note.</i> <i>a) The Annual Review is an 'environmental audit' for the purposes of section 122B (2) of the Environmental Planning and Assessment Act 1979. Section 122E provides that a person must not include false or misleading information (or provide information for inclusion in) an audit report produced to the Minister in connection with an environmental audit if the person knows that the information is false or misleading in a material respect. The maximum penalty is, in the case of a corporation, \$1 million and for an individual, \$250,000.</i> <i>b) The Crimes Act 1900 contains other offences relating to false and misleading information: section 192G (Intention to defraud by false or misleading statement—maximum penalty 5 years imprisonment); sections. 307A, 307B and 307C (False or misleading</i>	
Name of authorised reporting officer	Raylene Slade
Title of authorised reporting officer	HSE Specialist
Signature of authorised reporting officer	<i>Raylene P. Slade</i>
Date	<i>25.09.2024</i>



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## 1 Statement of Compliance

This document, referred to as the Annual Review (AR), has been prepared to report on the Galong Kiln operator's activities within the twelve-month period of the anniversary of the Environmental Protection Licence (as required by condition 7.3 of DA-317-7-2003-I MOD5). The AR addresses the site's present compliance obligations and status, activities of the past twelve-month period and proposed activities for the next twelve-month period. Where environmental data relating to the mine operations and kiln operations is unable to be separated, it is all included in this report.

Compliance with DA-317-7-2003-I MOD 5 is presented in Table 1. The consent permits operations 24 hours a day, seven days a week, and so hours of operation were compliant. Transport rates were also compliant with operational conditions, as follows:

- Coal haulage: 1 day of three truck loads, 8 days of two truck loads and 181 days of single truck loads (condition 3.25 of the consent allows three truck loads per day)
- Product haulage: During the reporting period, 283,587 tonnes of product was transported from site (condition 3.24 permits quicklime dispatch in accordance with the Galong Limestone Mine consent, which permits 320,000 tonnes per year, during the reporting period).

Table 1 – Statement of compliance

Were all conditions of the relevant approval(s) complied with?	
DC # DA-317-7-2003-i MOD4	YES
ML #1745 & 1496	YES

### Compliance status key

Risk Level	Colour Code	Description
High	Non-compliant	Non-compliance with potential for significant environmental consequences, regardless of the likelihood of occurrence
Medium	Non-compliant	Non-compliance with: <input type="checkbox"/> potential for serious environmental consequences, but is unlikely to occur; or <input type="checkbox"/> potential for moderate environmental consequences, but is likely to occur
Low	Non-compliant	Non-compliance with: <input type="checkbox"/> potential for moderate environmental consequences, but is unlikely to occur; or <input type="checkbox"/> potential for low environmental consequences, but is likely to occur
Administrative non-compliance	Non-compliant	Only applicable where the non-compliance does not result in any risk of environmental harm (e.g. submitting a report to government later than required under approval conditions)

## 2 Introduction to the Galong Site

The Galong limestone site operates within Mining Lease (ML) 1496 and ML 1745, which covers an area of 160Ha and 43.43Ha respectively. ML 1496 extends over Lots 102 in DP1083781, Lot 139 in DP753593 and Lot 2 in DP1175189, Parish of Bobbara whilst ML 1745 extends over Lot 102 in DP1083781 and Lot 2 in DP1175189. ML 1496 and ML 1745 are located approximately 20km southwest of Boorowa and 40km northwest of Yass (refer Figure 1 – Regional context, extracted from the Environmental Impact Statement (June 2003)). ML 1496 also incorporates approximately one kilometre of Crown Road reserve.

ML 1496 was granted 16 November 2001 for a period of 21 years and was renewed in February 2022 for a further 21 years; current expiry date is 15 November 2043. ML 1745 was granted on 21 October 2016 for a term of 21yrs, current expiry date 21 October 2037 (refer Figure 2 – Development consent and mining lease boundaries). Activities covered by tenure are stockpiling of various products, mineral processing and waste emplacement / stockpiling (refer Figure 3 – Current disturbance footprint). No mining is to occur or be undertaken on ML 1745. In 2003 approval was granted for DA-317-7-2003-i, for the construction and operation of a limestone kiln to produce 150,000tpa of quicklime. In October 2011, due to the closure of No. 6 blast furnace at Port Kembla, the processing plant, kiln and quarry was placed into “Care & Maintenance”, and only agricultural and fine ground limestone and road base products were produced from the Galong site by drawing down from existing stockpiles of minus 50mm product mined in previous years.

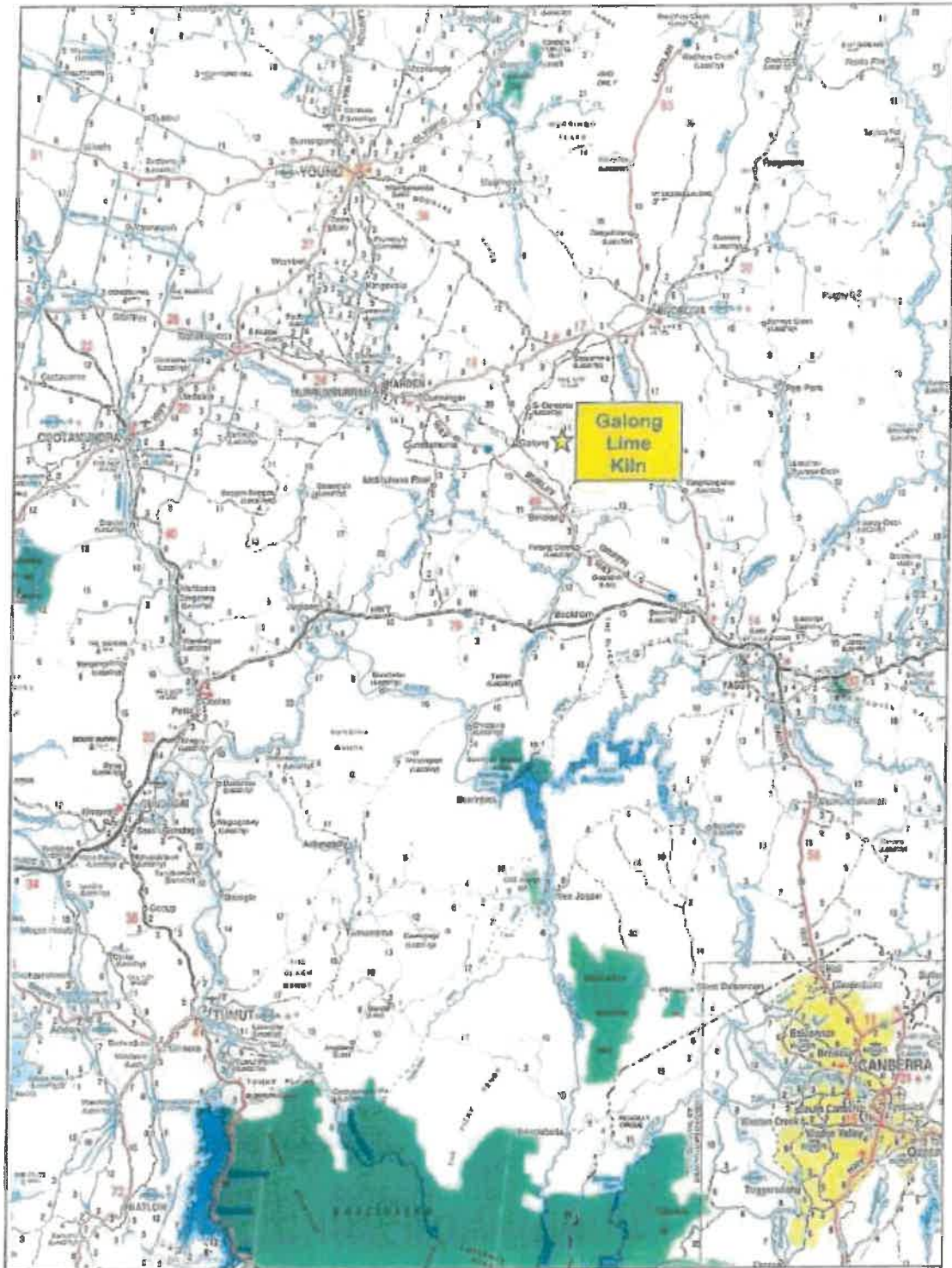
In May 2012, Sibelco Australia Limited purchased the Galong site from Barnu Pty Ltd. This purchase included the processing plant, kiln & limestone quarry. Active mining operations began in 2013 and the kiln was re-started in 2015. Graymont acquired the Galong site and continued operations from August 2019.

### 2.1 Site Contacts

Contact details for the current Plant Manager and other responsible personnel are set out in Table 1 below.

**Table 3 – Key Graymont Contacts**

<b>Plant Manager Galong</b>	<b>Mr Wayne Trenning</b>
Contact Number	(02) 6380 5100 business hours
After Hours	0448 912 330
<b>Graymont Environmental Manager:</b>	<b>Mr Donald Cheong</b>
Contact Number:	0427 525 790
<b>HSE Specialist Galong:</b>	<b>Raylene Slade</b>
Contact number:	(02) 6380 5107 business hours 0438 016 563



**GALONG LIME KILN PROJECT**

**Figure 1.1**  
**Project Location**

Figure 1 – Regional context



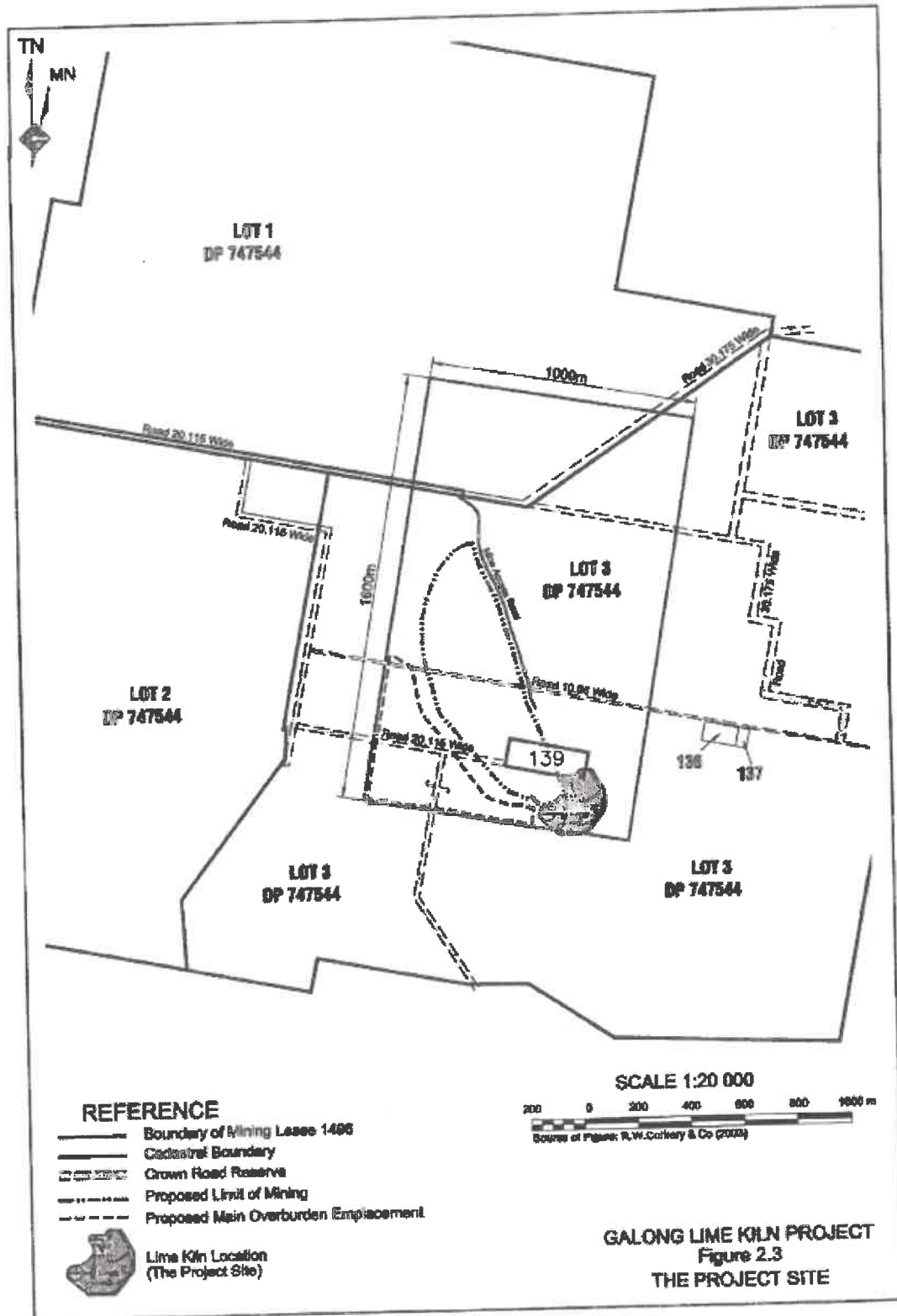


Figure 2 – Development consent and mining lease boundaries

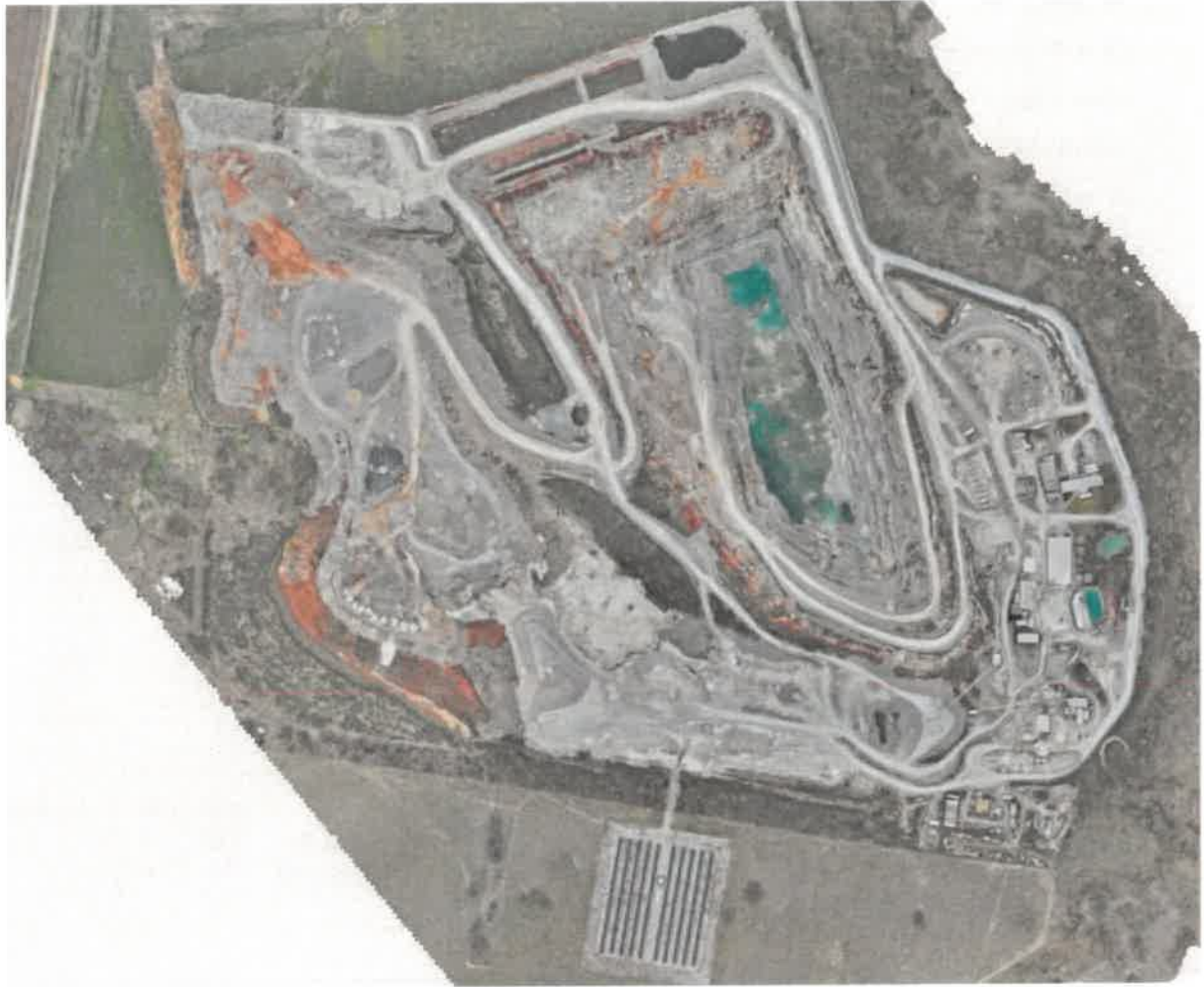


Figure 3 – Current disturbance footprint

### 3 Approvals

#### Consents, Lease, Approvals and Licences

Galong Limestone Site has a number of statutory approvals, leases and licences that regulate its mining and related activities. The current status of Graymont Galong’s statutory approvals is listed in Table 2.

**Table 4 – Consents, Lease, Approvals and Licences**

Consents	Consent Authority	Approval Date – Expiry Date
<b>Development consent</b> <b>DA T.03-025</b> Limestone mine, limestone processing and dispatch facility <b>DA T.03-025 Mod 1. Issued 21 December 2003</b>	Hilltops Council	Approval: 17 <sup>th</sup> December 2003  Expiry: 16 <sup>th</sup> December 2043

<p>Relocate the treatment system and increase the capacity of storage dam</p> <p><b>DA T.03-025 Mod 2 issued 17<sup>th</sup> April 2014</b></p> <p>Mining Lease extension</p> <p><b>DAT.03-025 Mod 3 issued 15<sup>th</sup> July 2015</b></p> <p>Increased dispatch limits to allow a maximum of 310,000 tonnes to be transported on haulage routes.</p> <p><b>DA T.03-025 Mod 4 issued 27<sup>th</sup> March 2019</b></p> <p>Increased dispatch limits to allow a maximum of 430,000 tonnes to be dispatched upon the upgrade of Galong Road and completion of Burley Griffin Way intersection upgrade.</p> <p><b>DA T.03-025 Mod 5 issued 27 September 2022</b></p> <p>For the ongoing use of mobile crushing plants on-site.</p>		
<p><b>Development Consent</b></p> <p><b>DA 2020/0208</b></p> <p>For construction and operation of a solar energy system (1MW)</p>	<p>Hilltops Council</p>	<p>Approval: 27<sup>th</sup> April 2021</p>
<p><b>Development Consent</b></p> <p><b>DA-317-7-2003-i</b></p> <p>For the construction and operation of a limestone kiln to produce 150,000tpa of quicklime.</p> <p><b>DA-317-7-2003-i MOD 1 - Increase the LPG Storage Capacity</b></p> <p><b>DA-317-7-2003-i MOD 2 – Modify construction work hours on Sunday</b></p> <p><b>DA-317-7-2003-i MOD 3 – Resolve inconsistent air quality monitoring conditions</b></p> <p><b>DA-317-7-2003-i MOD 4 – Temporary 10,000 tonne coal stockpile and increase truck movements</b></p>	<p>Dept. Planning &amp; Environment</p>	<p>Approval: 11<sup>th</sup> December 2003</p>
<p><b>Complying Development Certificate</b></p> <p><b>CD 04 – 2017</b></p> <p>The upgrade of processing equipment to produce Hydrated lime. Processing equipment to be upgraded includes the following:</p> <ul style="list-style-type: none"> <li>• Hydrator plant &amp; building</li> <li>• Material transfer equipment</li> <li>• Storage silos x 6</li> <li>• Bagging plant &amp; packaging equipment</li> <li>• Weighbridge</li> </ul>	<p>Hilltops Council</p>	<p>Approval: 11<sup>th</sup> September 2017</p> <p>Expiry: 11<sup>th</sup> September 2022 - COMPLETED</p>



Approvals	Approval Authority	Approval Date – Expiry Date
<b>Approval to operate</b> <b>OSM 479</b> An onsite wastewater management system (WWMS)	Hilltops Council	Approval: 13 <sup>th</sup> October 2016 Expiry: 13 <sup>th</sup> October 2026
Mining Tenements	Granting Authority	Approval Date – Expiry Date
<b>Mining Lease (ML)</b> <b>No. 1496</b>	Dept. Of Mineral Resources	Approval: 16 <sup>th</sup> November 2001 Expiry: 15 <sup>th</sup> November 2043
<b>Mining Lease (ML)</b> <b>No. 1745</b>	Dept. Of Industry - Resources and Energy	Approval: 21 <sup>st</sup> October 2016 Expiry: 21 <sup>st</sup> October 2037

Licenses	Licensing Authority	Approval Date – Expiry Date	Further Comments
<b>EPL number 4660</b> Lime works for between 100,000 and 250,000tpa of production, crushing, grinding or separating actives and between 100,000 and 500,000tpa of minerals obtained by mining.	EPA	17 <sup>th</sup> May (Anniversary)	
<b>U6-95313/07/0</b> LGP Tanks Cert. Of Plant Item Registration	SafeWork NSW	Registration is renewed annually. This process is the responsibility of the tank's controller, Elgas Ltd.	
<b>WAL 30047</b> Water Access Licence	WaterNSW	Issued: 19 <sup>th</sup> December 2012	
<b>40CA411901</b> Water Supply Works & Water Use Approval. Annual extraction of 157 mega litres.	WaterNSW	This approval relates to WAL 30047 and is attached to Lot 102, DP1083781 Issued: 16 <sup>th</sup> January 2012 Expires: 15 <sup>th</sup> January 2025	

<b>WAL 28703</b> Water Access Licence	WaterNSW	Issued 19 <sup>th</sup> October 2021
<b>40CA411879</b> Water Supply Works & Water Use Approval	WaterNSW	This approval relates to WAL 28703 and is attached to Lot 102, DP1083781 Issued: 16 <sup>th</sup> January 2012 Expires: 15 <sup>th</sup> January 2025
<b>40BL192612</b>	WaterNSW	Issued: 1 <sup>st</sup> March 2013

The freehold land underlying the mine (Lot 102 DP1083781) was purchased by Graymont in 2021.

## 4 Operations summary

This section details all operations carried out on site during the reporting period.

**Table 5 – Production Summary**

Material	Approved limit (DA T.03-025 Mod 4)	Previous reporting period (actual)	This reporting period (actual)	Next Reporting period (forecast)
Saleable product	430,000	363351	324706	357176

### 4.1 Next Reporting period

#### 4.1.1 Pit expansion areas

There has been no expansion of the pit during the reporting period and there is not planned expansion program for 2024-2025.

#### 4.1.2 Infrastructure development/upgrades

There was no development or upgrades made at the Galong site during the reporting period. Stockpiling of coat is proposed to be extended and permitting is in progress. Kiln waste is proposed to be placed in the approved overburden dump and permitting is in progress.

#### 4.1.3 Mining Fleet upgrades

There was no upgrades or purchases made to the Mining Fleet within the reporting period.

## 5 Actions required from previous Annual Review

There were no actions carried over from the previous Annual Review.

## 6 Environmental performance

### 6.1 Operational Noise

#### Performance measures

Key performance measures relating to noise are listed below:

Source	Performance measure																																																																																																																																																						
Environment Protection Licence	<p>Day – LA<sub>eq</sub>(15minute): 35dB(A)</p> <p>Evening - LA<sub>eq</sub>(15minute): 35dB(A)</p> <p>Night - LA<sub>eq</sub>(15minute): 35dB(A)</p> <p>Night – LA<sub>1</sub>(1minute): 45dB(A)</p>																																																																																																																																																						
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Mining EIS (2003) predictions	<p><b>TABLE 4.22</b> Predicted Maximum Operational Noise Levels</p> <table border="1"> <thead> <tr> <th rowspan="3">Residence</th> <th colspan="4">L<sub>max</sub> Noise Level (dB(A))</th> <th rowspan="3">Noise Level Goal L<sub>Aeq</sub> annual</th> </tr> <tr> <th colspan="2">Caterpillar 980F loading jaw crusher</th> <th colspan="2">Komatsu PC200-3 excavator using a hydraulic hammer</th> </tr> <tr> <th>Calm</th> <th>Temperature Inversion</th> <th>Calm</th> <th>Temperature Inversion</th> </tr> </thead> <tbody> <tr> <td>1 "Ahlona"</td> <td>25</td> <td>35</td> <td>&lt;20</td> <td>&lt;20</td> <td>47</td> </tr> <tr> <td>2 "Beulambul"</td> <td>&lt;20</td> <td>37</td> <td>&lt;20</td> <td>&lt;20</td> <td>45</td> </tr> <tr> <td>3 Brown Residence</td> <td>35</td> <td>46</td> <td>&lt;20</td> <td>&lt;20</td> <td>48</td> </tr> <tr> <td>4 "Hilltop"</td> <td>28</td> <td>45</td> <td>23</td> <td>27</td> <td>48</td> </tr> <tr> <td>5 Galong</td> <td>&lt;20</td> <td>40</td> <td>&lt;20</td> <td>25</td> <td>45</td> </tr> <tr> <td>6 "Highview"</td> <td>&lt;20</td> <td>37</td> <td>&lt;20</td> <td>21</td> <td>45</td> </tr> <tr> <td>7 "Cherryvale"</td> <td>&lt;20</td> <td>39</td> <td>20</td> <td>26</td> <td>45</td> </tr> <tr> <td>8 "Glenroy"</td> <td>21</td> <td>40</td> <td>&lt;20</td> <td>40</td> <td>45</td> </tr> <tr> <td>9 "Woodstock"</td> <td>&lt;20</td> <td>23</td> <td>&lt;20</td> <td>25</td> <td>45</td> </tr> </tbody> </table> <p>Source: Richard Haggie Associates (2003) - Table 6.2.3</p>	Residence	L <sub>max</sub> Noise Level (dB(A))				Noise Level Goal L <sub>Aeq</sub> annual	Caterpillar 980F loading jaw crusher		Komatsu PC200-3 excavator using a hydraulic hammer		Calm	Temperature Inversion	Calm	Temperature Inversion	1 "Ahlona"	25	35	<20	<20	47	2 "Beulambul"	<20	37	<20	<20	45	3 Brown Residence	35	46	<20	<20	48	4 "Hilltop"	28	45	23	27	48	5 Galong	<20	40	<20	25	45	6 "Highview"	<20	37	<20	21	45	7 "Cherryvale"	<20	39	20	26	45	8 "Glenroy"	21	40	<20	40	45	9 "Woodstock"	<20	23	<20	25	45																																																																																		
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EIS (2003) – impact assessment criteria	<p><b>TABLE 4.17</b> Project Specific Noise Emission Design Goals – Rural Residential Receivers</p> <table border="1"> <thead> <tr> <th>Location</th> <th>Description</th> <th>Rating Background Level L<sub>eq</sub> dB(A)</th> <th>Intrusiveness Criteria L<sub>max</sub> dB(A)</th> <th>Annexity Criteria L<sub>max</sub> dB(A)</th> <th>Sleep Disturbance Criteria L<sub>max</sub> dB(A)</th> </tr> </thead> <tbody> <tr> <td rowspan="3">1 "Ahlona"</td> <td>Daytime 7 am to 6 pm</td> <td>32</td> <td>37</td> <td>50</td> <td>N/A</td> </tr> <tr> <td>Evening 6 pm to 10 pm</td> <td>34</td> <td>38</td> <td>50</td> <td>N/A</td> </tr> <tr> <td>Night 10 pm to 7 am</td> <td>32</td> <td>37</td> <td>45</td> <td>47</td> </tr> <tr> <td rowspan="3">2 "Beulambul"</td> <td>Daytime 7 am to 6 pm</td> <td>31</td> <td>36</td> <td>50</td> <td>N/A</td> </tr> <tr> <td>Evening 6 pm to 10 pm</td> <td>35</td> <td>43</td> <td>50</td> <td>N/A</td> </tr> <tr> <td>Night 10 pm to 7 am</td> <td>30</td> <td>35</td> <td>45</td> <td>45</td> </tr> <tr> <td rowspan="3">3 Brown Residence</td> <td>Daytime 7 am to 6 pm</td> <td>34</td> <td>39</td> <td>50</td> <td>N/A</td> </tr> <tr> <td>Evening 6 pm to 10 pm</td> <td>36</td> <td>41</td> <td>50</td> <td>N/A</td> </tr> <tr> <td>Night 10 pm to 7 am</td> <td>33</td> <td>38</td> <td>45</td> <td>48</td> </tr> <tr> <td rowspan="3">4 Township of Galong</td> <td>Daytime 7 am to 6 pm</td> <td>36</td> <td>41</td> <td>50</td> <td>N/A</td> </tr> <tr> <td>Evening 6 pm to 10 pm</td> <td>37</td> <td>42</td> <td>50</td> <td>N/A</td> </tr> <tr> <td>Night 10 pm to 7 am</td> <td>35</td> <td>38</td> <td>45</td> <td>48</td> </tr> <tr> <td rowspan="3">5 "Hilltop"</td> <td>Daytime 7 am to 6 pm</td> <td>31</td> <td>36</td> <td>50</td> <td>N/A</td> </tr> <tr> <td>Evening 6 pm to 10 pm</td> <td>35</td> <td>40</td> <td>50</td> <td>N/A</td> </tr> <tr> <td>Night 10 pm to 7 am</td> <td>30</td> <td>35</td> <td>45</td> <td>45</td> </tr> <tr> <td rowspan="3">6 "Highview"</td> <td>Daytime 7 am to 6 pm</td> <td>31</td> <td>36</td> <td>50</td> <td>N/A</td> </tr> <tr> <td>Evening 6 pm to 10 pm</td> <td>35</td> <td>40</td> <td>50</td> <td>N/A</td> </tr> <tr> <td>Night 10 pm to 7 am</td> <td>30</td> <td>35</td> <td>45</td> <td>45</td> </tr> <tr> <td rowspan="3">7 "Cherryvale"</td> <td>Daytime 7 am to 6 pm</td> <td>31</td> <td>36</td> <td>50</td> <td>N/A</td> </tr> <tr> <td>Evening 6 pm to 10 pm</td> <td>35</td> <td>40</td> <td>50</td> <td>N/A</td> </tr> <tr> <td>Night 10 pm to 7 am</td> <td>30</td> <td>35</td> <td>45</td> <td>45</td> </tr> <tr> <td rowspan="3">8 "Glenroy"</td> <td>Daytime 7 am to 6 pm</td> <td>30</td> <td>35</td> <td>50</td> <td>N/A</td> </tr> <tr> <td>Evening 6 pm to 10 pm</td> <td>31</td> <td>38</td> <td>50</td> <td>N/A</td> </tr> <tr> <td>Night 10 pm to 7 am</td> <td>30</td> <td>35</td> <td>45</td> <td>45</td> </tr> <tr> <td rowspan="3">9 "Woodstock"</td> <td>Daytime 7 am to 6 pm</td> <td>30</td> <td>35</td> <td>50</td> <td>N/A</td> </tr> <tr> <td>Evening 6 pm to 10 pm</td> <td>31</td> <td>38</td> <td>50</td> <td>N/A</td> </tr> <tr> <td>Night 10 pm to 7 am</td> <td>30</td> <td>35</td> <td>45</td> <td>45</td> </tr> </tbody> </table> <p>Note: The L<sub>max</sub> represents the level exceeded for 90% of the interval period and is referred to as the average maximum or background noise level. L<sub>eq</sub> - The equivalent continuous noise level is defined as the level of noise equivalent to the energy average of noise levels occurring over a measurement period. The Brown residence and "Hilltop" are mine-related residences as they and the existing Galong Limitations Mine are situated on land owned by the Bobbata Pastoral Company Pty. Ltd.</p> <p>Source: Richard Haggie Associates (2003) - Table 6.1</p>	Location	Description	Rating Background Level L <sub>eq</sub> dB(A)	Intrusiveness Criteria L <sub>max</sub> dB(A)	Annexity Criteria L <sub>max</sub> dB(A)	Sleep Disturbance Criteria L <sub>max</sub> dB(A)	1 "Ahlona"	Daytime 7 am to 6 pm	32	37	50	N/A	Evening 6 pm to 10 pm	34	38	50	N/A	Night 10 pm to 7 am	32	37	45	47	2 "Beulambul"	Daytime 7 am to 6 pm	31	36	50	N/A	Evening 6 pm to 10 pm	35	43	50	N/A	Night 10 pm to 7 am	30	35	45	45	3 Brown Residence	Daytime 7 am to 6 pm	34	39	50	N/A	Evening 6 pm to 10 pm	36	41	50	N/A	Night 10 pm to 7 am	33	38	45	48	4 Township of Galong	Daytime 7 am to 6 pm	36	41	50	N/A	Evening 6 pm to 10 pm	37	42	50	N/A	Night 10 pm to 7 am	35	38	45	48	5 "Hilltop"	Daytime 7 am to 6 pm	31	36	50	N/A	Evening 6 pm to 10 pm	35	40	50	N/A	Night 10 pm to 7 am	30	35	45	45	6 "Highview"	Daytime 7 am to 6 pm	31	36	50	N/A	Evening 6 pm to 10 pm	35	40	50	N/A	Night 10 pm to 7 am	30	35	45	45	7 "Cherryvale"	Daytime 7 am to 6 pm	31	36	50	N/A	Evening 6 pm to 10 pm	35	40	50	N/A	Night 10 pm to 7 am	30	35	45	45	8 "Glenroy"	Daytime 7 am to 6 pm	30	35	50	N/A	Evening 6 pm to 10 pm	31	38	50	N/A	Night 10 pm to 7 am	30	35	45	45	9 "Woodstock"	Daytime 7 am to 6 pm	30	35	50	N/A	Evening 6 pm to 10 pm	31	38	50	N/A	Night 10 pm to 7 am	30	35	45	45
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	Night 10 pm to 7 am	32	37	45	47																																																																																																																																																		
2 "Beulambul"	Daytime 7 am to 6 pm	31	36	50	N/A																																																																																																																																																		
	Evening 6 pm to 10 pm	35	43	50	N/A																																																																																																																																																		
	Night 10 pm to 7 am	30	35	45	45																																																																																																																																																		
3 Brown Residence	Daytime 7 am to 6 pm	34	39	50	N/A																																																																																																																																																		
	Evening 6 pm to 10 pm	36	41	50	N/A																																																																																																																																																		
	Night 10 pm to 7 am	33	38	45	48																																																																																																																																																		
4 Township of Galong	Daytime 7 am to 6 pm	36	41	50	N/A																																																																																																																																																		
	Evening 6 pm to 10 pm	37	42	50	N/A																																																																																																																																																		
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5 "Hilltop"	Daytime 7 am to 6 pm	31	36	50	N/A																																																																																																																																																		
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6 "Highview"	Daytime 7 am to 6 pm	31	36	50	N/A																																																																																																																																																		
	Evening 6 pm to 10 pm	35	40	50	N/A																																																																																																																																																		
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7 "Cherryvale"	Daytime 7 am to 6 pm	31	36	50	N/A																																																																																																																																																		
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8 "Glenroy"	Daytime 7 am to 6 pm	30	35	50	N/A																																																																																																																																																		
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9 "Woodstock"	Daytime 7 am to 6 pm	30	35	50	N/A																																																																																																																																																		
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**Community complaints**

There have been zero complaints related to noise from the site during the reporting period.

Galong has received 2 community complaints within the last 5-year period; however, neither related to noise. All complaints are now recorded electronically within JDE.

Table of community complaints with five-year history 2019 - 2024

21/03/2022	Speeding Trucks	Received via phone	<p>Residents have been asked to record details of trucks, either Rego No or Name of Trucking Company.</p> <p>Have contacted Sales to send out all Customer wide email reminding Drivers of Speed Limits on local roads</p>
04/04/2022	Truck on Kalangan Road	Received via Phone	<p>Resident identified Truck as Grenfell Truck – this is a Grain truck and not a truck from Galong.</p>

**Monitoring results and analysis**

A Noise Assessment of fixed plant and environment (June 2024) was undertaken and will be reported in the next years report. As a result, analysis of noise monitoring results and review of trends is not provided in this report.

## 6.2 Air Quality

### Performance measures

Key performance measures relating to air quality are listed below:

Source	Performance measure																								
Environment Protection Licence	<table border="1"> <thead> <tr> <th>Assessable Pollutant</th> <th>Load limit (kg)</th> </tr> </thead> <tbody> <tr> <td>Coarse Particulates (Air)</td> <td>11116.00</td> </tr> <tr> <td>Fine Particulates (Air)</td> <td>18549.00</td> </tr> <tr> <td>Lead (Air)</td> <td></td> </tr> <tr> <td>Mercury (Air)</td> <td></td> </tr> <tr> <td>Nitrogen Oxides (Air)</td> <td>325000.00</td> </tr> <tr> <td>Sulfur Oxides (Air)</td> <td>125000.00</td> </tr> </tbody> </table>	Assessable Pollutant	Load limit (kg)	Coarse Particulates (Air)	11116.00	Fine Particulates (Air)	18549.00	Lead (Air)		Mercury (Air)		Nitrogen Oxides (Air)	325000.00	Sulfur Oxides (Air)	125000.00										
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Development consent DA-317-7-2003-i MOD 4	As per Environment Protection Licence above																								

Dust deposition gauge monitoring is undertaken, however is not discussed in this report as it mostly relates to dust generated by mining operations.

### Community complaints

There were no community complaints relating to dust or air quality during the reporting period.

### Monitoring results and analysis – Point source emissions

Stack testing was undertaken on 24 May 2023 by external consultants, in accordance with EPL 4660.

Stack test monitoring results are detailed in the table below, along with performance measures.

### Stack emission pollutant loads

Assessable pollutant	Load limit (kg)	Calculated load (kg)
Coarse particulates	11,116	7061.01
Fine particulates	18,549	2032.56



Nitrogen Oxides	325,000	54510
Sulfur Oxides	125,000	8

**Stack emission concentrations**

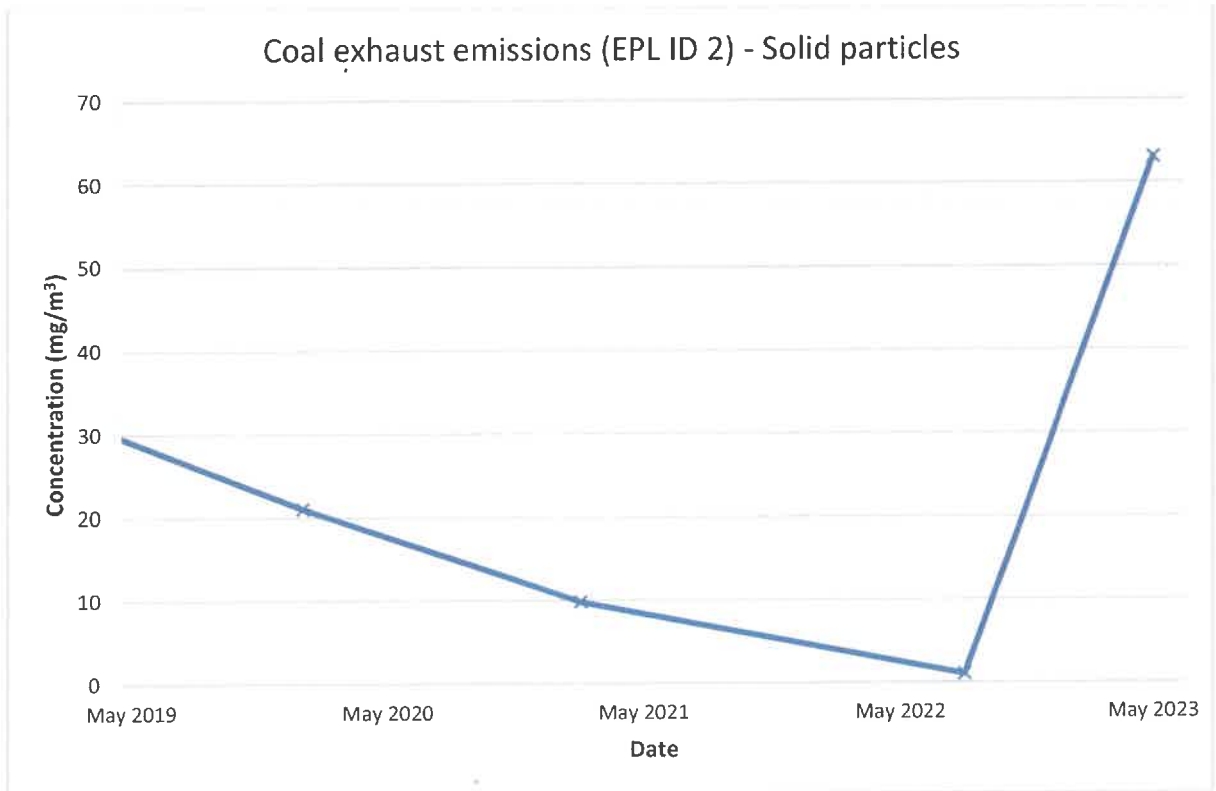
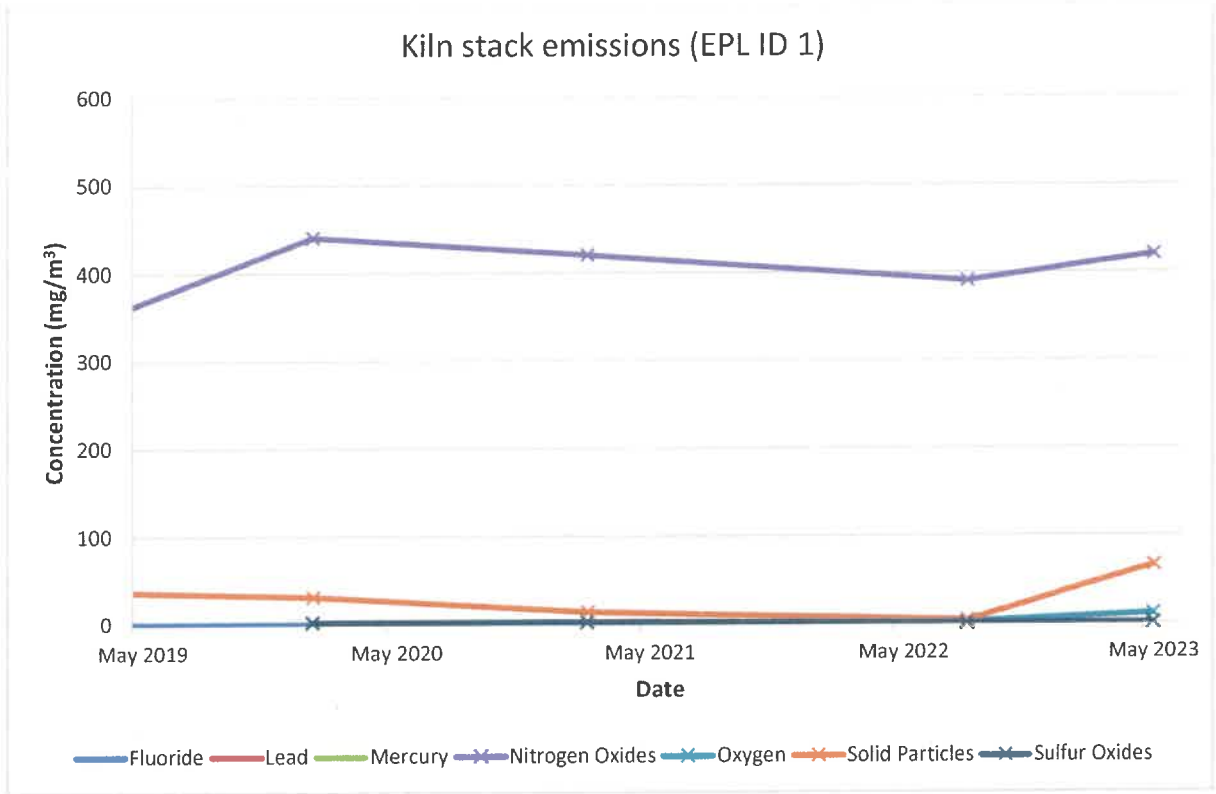
	EPA 1 – Kiln exhaust stack		EPA 2 – Coal mill stack	
	Limit (mg/m <sup>3</sup> )	Stack monitoring results (mg/m <sup>3</sup> )	Limit (mg/m <sup>3</sup> )	Stack monitoring results (mg/m <sup>3</sup> )
Solid particles	100	2.5	100	63
Nitrogen Oxides	2000	420	-	-
Total Fluoride	50	0.03	-	-

Galong has consistently performed well below concentration limits as set out in the EPL. Both the Kiln exhaust stack and Coal Mill Stack have controls in place to limit the emissions expelled, which include:

- Bag house
- Preventative Maintenance on Bag Houses to ensure optimum capacity.
- Full replacement of Bags every 5 to 7 years – Full Replacement of Bags undertaken October 2023.

The kiln stack and coal exhaust monitoring results over the last five years (during Graymont’s operational control) are presented in the graphs below. Most parameters monitored at the kiln stack (fluoride, lead, mercury, oxygen and sulfur oxides) are at very low levels and there is no significant change or trend in the results during the reporting period compared with historic results. Solid particles and nitrogen oxide levels remain consistent over the last five years.

The solid particles levels in the coal exhaust have increased during the reporting period (within EPL limits), compared with the last five years. This increasing trend is being investigated and outcomes will be reported in next year’s annual review.



### 6.3 Water management

#### Performance measures

Key performance measures relating to water management are listed below:

Source	Performance measure
DA-317-7-2003-I MOD4 Condition 3.19	The Applicant must ensure that all surface water run-off collected from the kiln development site is: <ul style="list-style-type: none"> <li>a) collected and stored for on-site reuse; or</li> <li>b) collected, stored, analysed and treated as necessary prior to discharge to Limestone Creek.</li> </ul>
DA-317-7-2003-I MOD4	The applicant must undertake water quality monitoring as detailed in the Soil and Water Monitoring Management Plan
Water Access License 30047	Extraction limit of 307 ML per annum
Water Access License 28703	Extraction limit of 30 ML per annum

A Draft Soil and Water Monitoring Management Plan (March 2023) is currently under review and will detail the water monitoring program, noting no surface water or groundwater quality limits imposed by environmental permits. In conjunction with the Draft review an EPA site inspection provided further issues for consideration (June 2024). Currently water management is captured in the OEMP, with the change in rehabilitation requirements the site has a greater focus on soil monitoring moving forward.

#### Community complaints

There have been no community complaints relating to water quality within the reporting period.

#### Monitoring results and analysis

Groundwater take for the period 1 July 2023 to 30 June 2024 is presented in the table below.

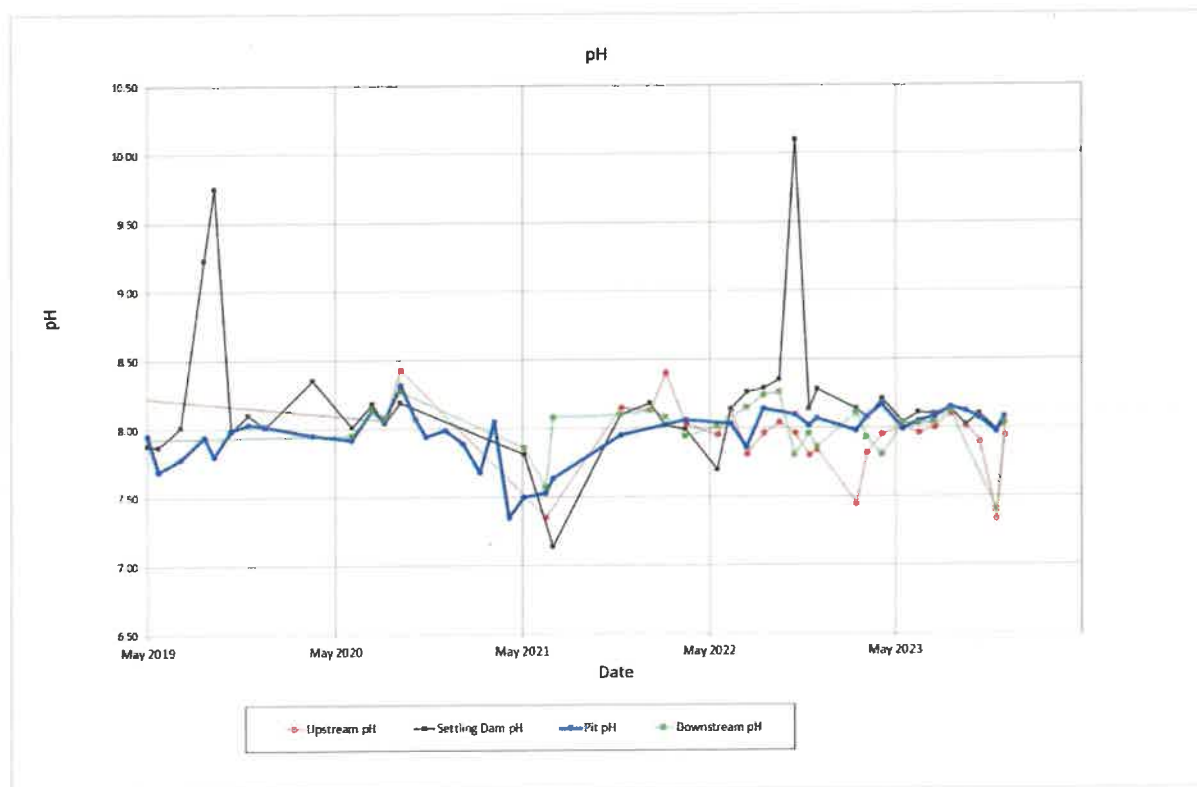
Water Licence	Water sharing plan, source and management zone (as applicable)	Entitlement	Passive take / inflow	Active pumping	TOTAL
WAL30047	MDB Fracture Rock aquifer which lies within Murrumbidgee River and Lake George catchment	307	0	14.1	14.1
WAL28703	MDB Fracture Rock aquifer which lies within Murrumbidgee River and Lake George catchment	30	0	0	0

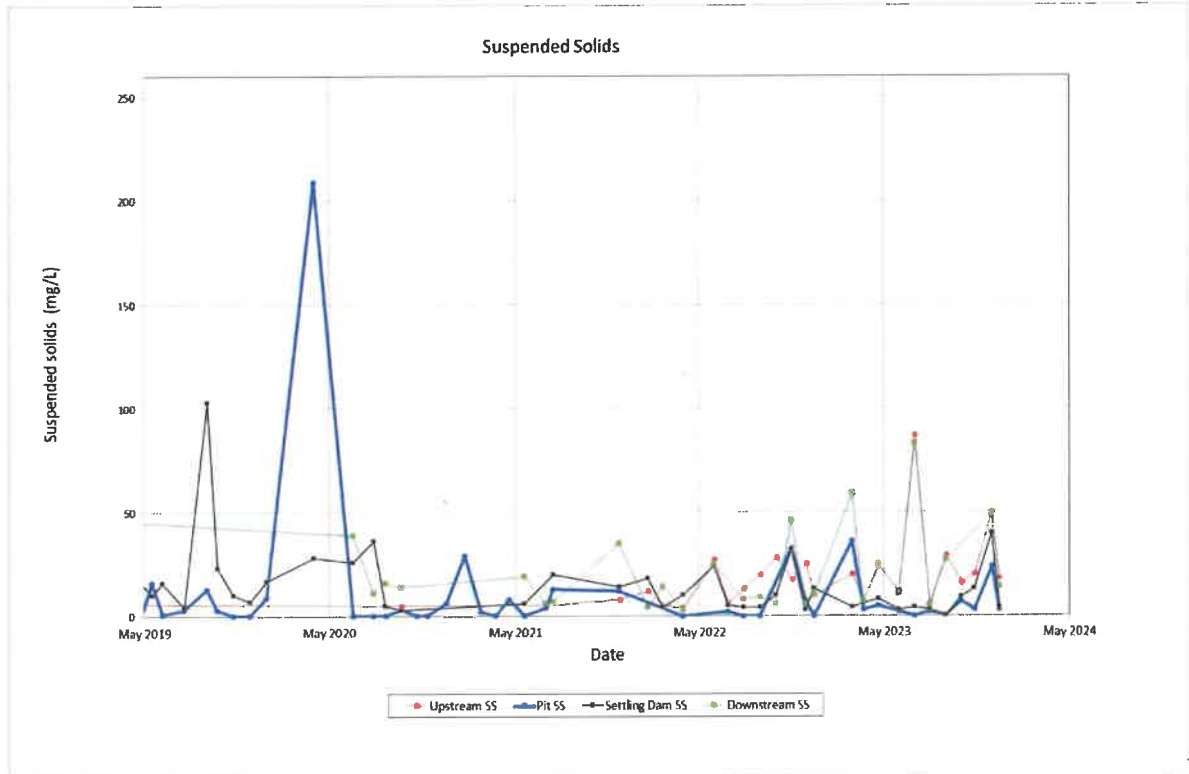
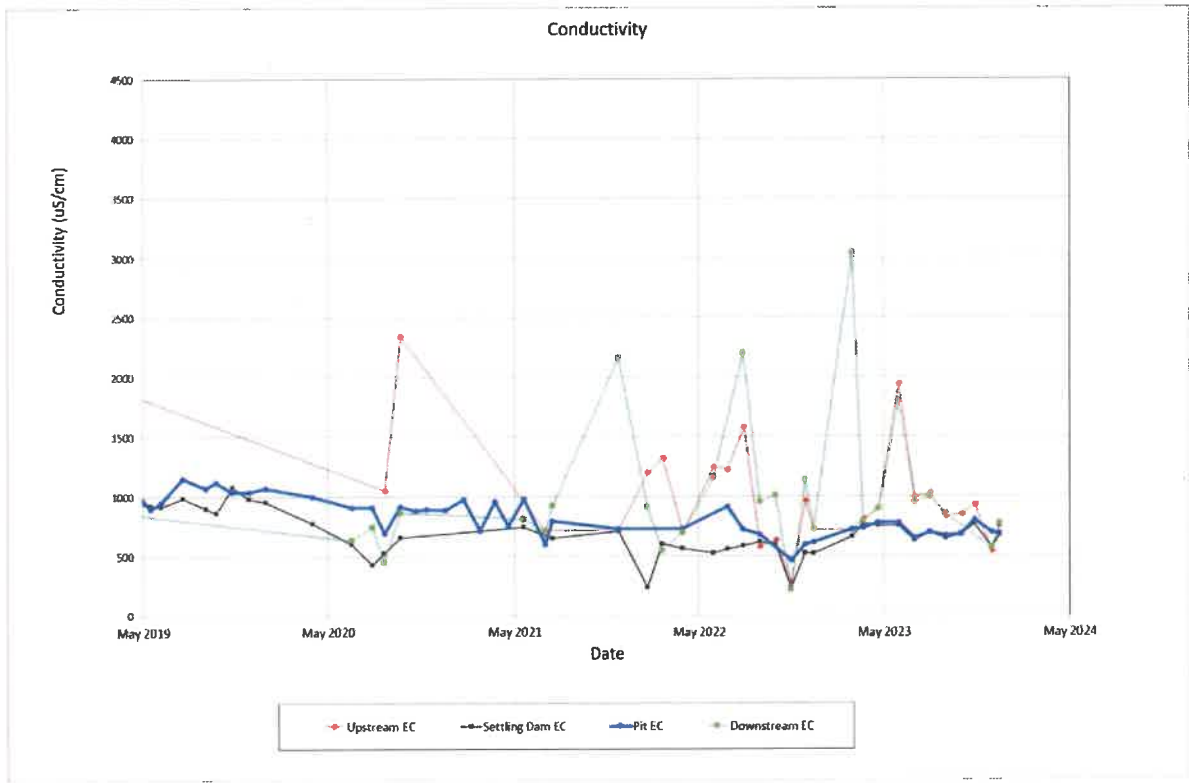
Surface water is managed onsite by directing water either to the sediment basins or into the mine void. Clean offsite runoff water is directed northwards around the site towards Limestone Creek using farm contour banks and dams.

Surface water quality is monitored by the analysis of monthly samples taken from off and onsite locations. Below is a summary of analytes of interest averaged over the reporting period. As there are no water discharge predictions or license limits, analysis of the results is not presented in this report.

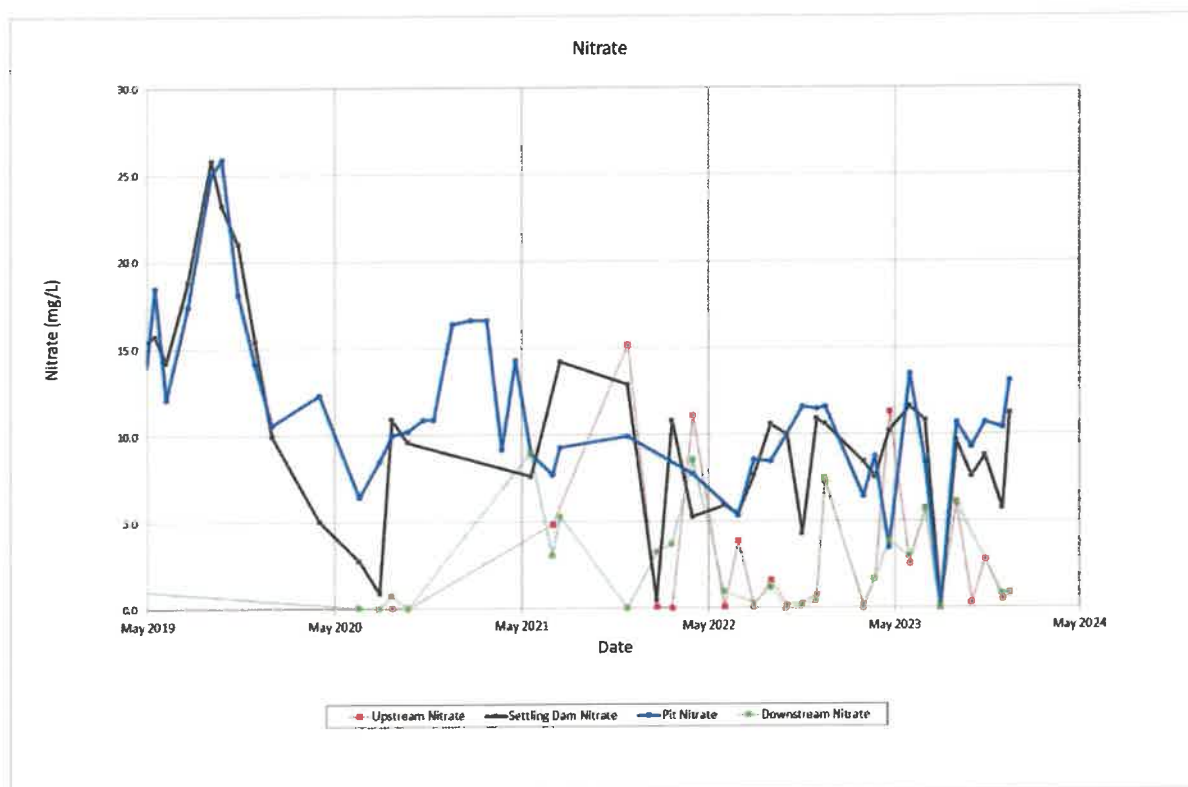
	pH	Conductivity (uS/cm)	Total suspended solids (mg/L)	Nitrate as N
Galong A – Top of creek	8.00	1198	24	0.06
Galong B – Pit	8.06	705	5	0.1
Galong C – Bottom of creek	7.96	916	28	0.09
Galong D – Settling dam	8.06	674	56 9 (excluding anomaly)	0.08

The water monitoring results for the analytes of interest, over the last five years, are presented in the graphs below. pH during the reporting period was similar to historic results, with one low result in upstream and downstream pH which has returned to average levels. Conductivity, suspended solids and nitrates during the reporting period were within the natural variability of the historic results, with no trends observed.









Discharge from sediment basins to Limestone Creek occurred during a wet weather event in November 2023. The event was reported to the EPA and the site water management and offsite discharge from site is under review.

## 7 Rehabilitation

Rehabilitation is carried out in accordance with the Galong Limestone Mine Forward Program (FWP0001277) November 16, 2023, to November 15, 2026, as lodged with NSW Resources Regulator. Rehabilitation progress is detailed in the Annual Rehabilitation Report. The Annual Rehabilitation Report and Rehabilitation Forward Program are published on Graymont’s website – [www.graymont.com](http://www.graymont.com)

## 8 Community

Graymont continues to engage with the Galong community through the Community Liaison Committee with representatives from the Galong community, Hilltops Council, and residents of neighbouring communities. Topics discussed at the meetings include:

- Air and Water quality results
- Donations made to community organisations including Harden Landcare, local sporting clubs and Harden Rotary
- Site updates and Recruitment.

The Graymont Carbon Reduction Fund continues to provide opportunities for Graymont plants and employees to work directly with local organisations in the community where they operator to promote decarbonisation at the grassroots level. Harden Murrumburrah Local Lands Council received a grant to provide local landholders with trees to plant out, enhancing native vegetation and supporting natural carbon sink.

Graymont continues to support the improvement of local infrastructure and community projects through VPA contributions to Hilltops Council, along with sponsorships of local sporting clubs, schools and not-for-profit organisations.

During this reporting period there have been no community complaints.

## 9 Independent Audit

An independent Environmental Audit was undertaken in September 2023. The issues identified and addressed from this audit include:

- Updating of the current Traffic Management Plan
- Updating of the OEMP
- Publishing of Community Liaison Committee minutes
- Updating of Water Management Plan

Actions to address issues identified in the Environmental Audit will continue into the next reporting period.

## 10 Operation Environmental Management Plan (OEMP)

Updates to the OEMP were made following the approval of DA modification for temporary storage of coal, as required by condition 6.5A. The following updates were made:

- consent table updated;
- vegetation clearing updated to include area to be cleared for coal pad;
- chemical storage section updated to include coal storage, including key features of the coal stockpile design;
- traffic and transport section updated to include description of coal haulage and controls, including pavement monitoring;
- existing environment section updated to include coal storage area;
- waste management control measures section updated; and
- general updates made to Incidents, Complaints and Regulatory Breaches sections.

## 11 Incidents and non-compliances during the reporting period

Dust monitoring results were not obtained in October 2023 due to the breakage of a monitoring jar.

Dust monitoring was not undertaken in January 2024 and February 2024 due to a change over in staff at site. Procedures have been implemented to ensure that the level of staff trained in dust monitoring protocol is expanded to meet monitoring requirements. Dust monitoring is a requirement of the EPL and not the development consent and so have not been included as non-compliances in this report.

Discharge from the sediment basins to Limestone Creek occurred during a wet weather event in November 2023. The event was reported to the EPA and the site water management and offsite discharge is under review. As this incident relates to the EPA's administration of the *Protection of the Environment Operations Act (1979)* and the Environment Protection License, it has not been included as a non-compliance of the development consent in this report.



## **12 Activities to be completed in the next reporting period**

During the 2024-2025 reporting period Galong will continue to liaise with the local community through the Community Liaison Committee and respond to any complaints that the site may receive.

Operational and environmental noise assessment by an acoustic consultant was undertaken in June 2024. Results of this monitoring will be reported in the next reporting period.

Progress of the Graymont Carbon Reduction Fund works will also be monitored and reported.

## Appendix A – Water Sampling Locations

