



Salt Ash Sand Quarry

Air Quality Management Plan

Prepared for:

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2318

May 2025

Version No: V5

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1. INTRODUCTION

1.1. Site Description

Redisand Salt Ash Sand Quarry (Redisand) is owned by ATB Morton and operated under the proponent Redisand. The site was granted Project Approval MP 07_0094 on 28 October 2010 by the then NSW Minister for Planning for the construction and operation of a sand quarry in the Port Stephens Local Government Area, located approximately 20 km north-east of Newcastle. Extraction operations on site did not commence until February 2015. The Redisand Project Area is shown in **Figure 1**.

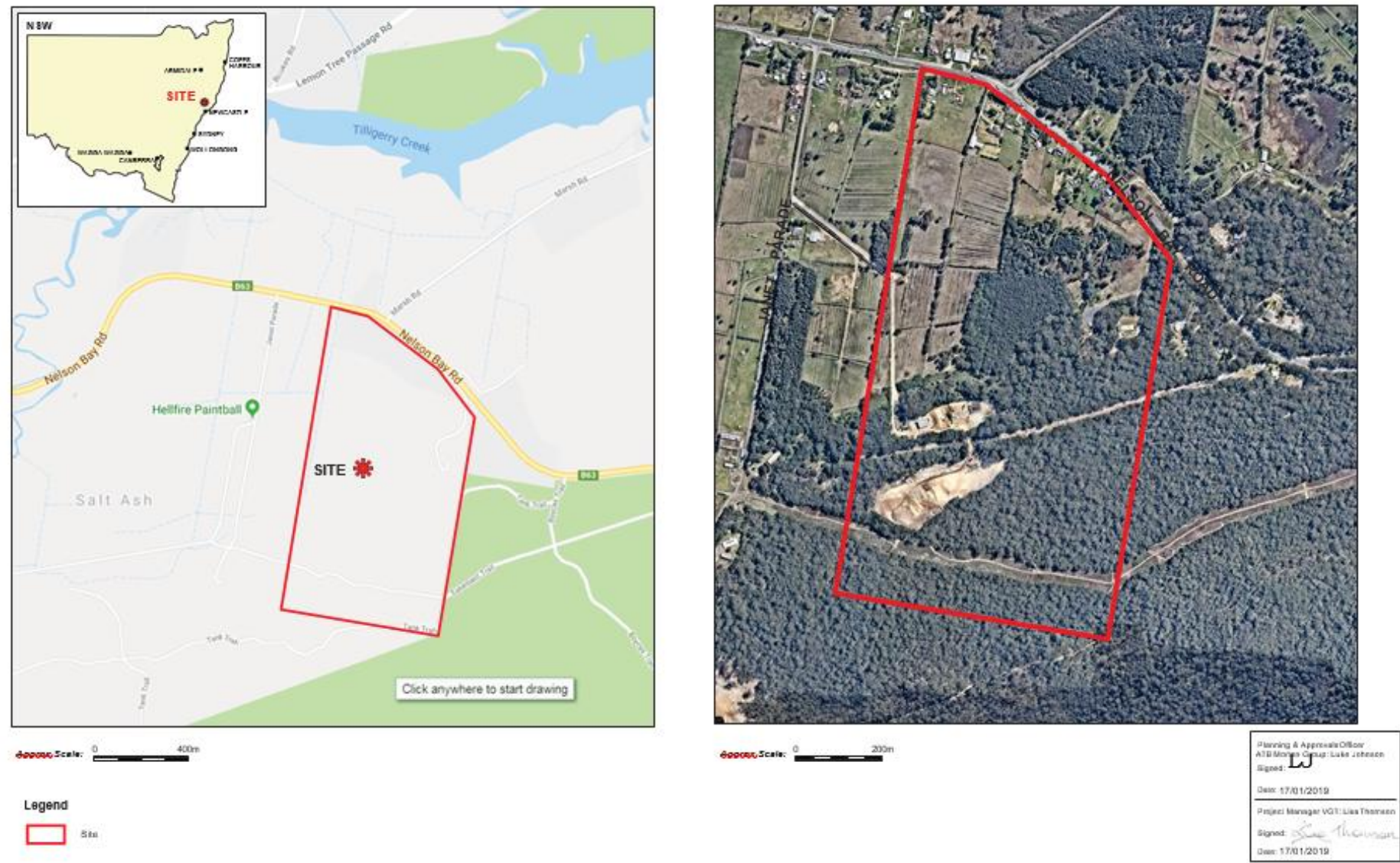
To date, the Project Approval has been modified on four occasions with the most recent modification being 10 October 2018. This approval increased the sand production transportation rate from 201,000 to 400,000 tonnes per annum (tpa). Extraction will be undertaken in five (5) stages to minimise the time surface materials are exposed and to expedite rehabilitation / revegetation activities. Redisand also operates in accordance with the Environment Protection Licence (EPL) No. 13406 issued by the NSW Environment Protection Authority (EPA).

1.2. Scope of the Air Quality Management Plan

This *Air Quality Management Plan* (AQMP) encompasses the conditions and criteria set out in the Project Approval under Schedule 3 Conditions 8 - 10, including the requirement to prepare a *Dust Monitoring Program*. This AQMP outlines air quality monitoring and management to be undertaken at Redisand to minimise adverse environmental impacts on the surrounding environment. This AQMP addresses the conditions provided in the Project Approval and EPL 13406 to ensure compliance with the relevant guidelines and legislation.

1.3. Objectives

This AQMP has been developed to ensure that all project personnel, contractors, and sub-contractors comply with air quality conditions of the Project Approval and licences and that dust is monitored and managed appropriately.



2. CONSULTATION

The following summarises the consultation undertaken in preparation of this plan.

2.1. Pre 2021 Consultation

Table 1 outlines the consultation completed for the 2019 AQMP update following the approval of MOD 4.

Table 1 - Air Quality Management Plan Consultation

Date	Originator	Recipient	Description	Where addressed
Nov 2017	Redisand	DPIE	Environmental assessment prepared to accompany a modification to approval 07_0094 (Mod 4 EA)	EPA provided comments to DPIE
15/1/18	EPA	DPIE	Comments from EPA re Mod 4 EA – require compliance with EPL 13406	These comments were addressed in the Response to Submissions dated April 2018
19/1/18	EPA	DPIE	Further comments from EPA re Mod 4 EA – further information required regarding the assessment of potential impacts to the air environment	These comments were addressed in the Response to Submissions dated April 2018
22/5/18	EPA	DPIE	Comments from EPA re Response to Submissions April 2018 – additional information required on estimation of emissions and additional wind roses	These comments were addressed in the second Response to Submissions dated May 2018
3/7/18	EPA	DPIE	Response to Submissions and Recommended Conditions	Recommendations have been included in this document
18/12/18	VGT	EPA	Request for input into management plan.	Appendix B
8/1/19	VGT	EPA	Request for approval of TSP monitoring technique	Appendix B

2.2. 2021 Consultation

This AQMP has been sent to the following with this being a requirement of the Project Approval Schedule 2 Condition 14.

- The Department of Planning, Industry and Environment (DPIE); and
- NSW EPA.

A letter dated 16 July 2021 from DPIE (**Appendix C**) requested that Redisand to obtain approval from the Secretary that the preparation of the AQMP was done by suitably qualified person(s), as detailed under Schedule 3, Condition 10(a) of PA 07_0094. An Endorsement of Experts letter from DPIE was received on 13 December 2021 and is attached as **Appendix D**.

2.3. 2025 Consultation

An email dated 18 February 2025 from the Department of Housing and Infrastructure (DPHI) (**Appendix E**) requested that Redisand submit a revised Air Quality Management Plan including an update to the monitoring point figure to reflect the relocation of the HVAS monitors.

An updated figure of Redisand's monitoring locations, including the new location of the HVAS monitors, was submitted to the EPA for consultation in accordance with the requirements of the Project Approval Schedule 2 Condition 14. The EPA provided their approval on 14 April 2025 (see **Appendix F**).

3. INDEPENDENT ENVIRONMENTAL AUDIT (IEA) ACTIONS

3.1. 2020 IEA

The 2020 IEA identified the following issues relating to air quality:

- Missed monitoring events resulting in lost data;
- Depositional dust bottles constantly filling with leaves and debris resulting in lost and/or incorrect data; and
- Short-term exceedances were not reported correctly to the relevant authorities and / or landowners.

An update on the recommendations is included below:

Table 2 – Recommended Actions from the 2020 Independent Environmental Audit

Recommendation	Update for this Management Plan (2025)
Improve data collection for air quality (i.e. Preventing outages.)	This is ongoing.
Keep a rolling spreadsheet for air quality monitoring results.	This has been implemented.
For future air or noise exceedances the site needs to notify landowners and tenants as per Schedule 4 Condition 2 of MP 07_0094.	To be completed if there are exceedances.
Liaise with DPIE as part of the Annual Review process to determine days for extraordinary events.	If short term exceedances are caused by aspects such as bushfire smoke, regional dust or other sources, then Redisand will contact DPIE at the time of the event to discuss compliance status. Redisand will also liaise with DPIE in January each year to get a definitive list of extraordinary days.

3.2. 2024 IEA

The 2024 IEA identified one issue relating to air quality regarding not correctly notifying relevant landowners of short-term exceedances. For any future air or noise exceedances, the site should notify landowners and tenants in accordance with Schedule 4, Condition 2 of MP 07_0094. Redisand will implement this action moving forward if triggered.

4. AIR QUALITY STATUTORY REQUIREMENTS

Redisand operates under the following approvals and documents:

- Project Approval 07_0094 and its modifications;
- EPL 13406;
- Statement of Commitments (SoC) found in the Environmental Assessment (EA) and Appendix 3 of MP 07_0094; and
- Other relevant approvals and legislation.

4.1. Project Approval 07_0094 Conditions

The following table summarises the air quality related requirements from the Approval.

Table 3 – MP 07_0094 Air Quality Conditions

Number	Consent Condition	Comment
Schedule 3 Condition 8	Impact Assessment Criteria. The Proponent must ensure that particulate matter emissions generated by the development do not cause exceedances of the criteria in Table 3 at any residence on privately-owned land. Notes: ^a Total impact (i.e. incremental increase in concentrations due to the development plus background concentrations due to all other sources). ^b Incremental impact (i.e. incremental increase in concentrations due to the development on in its own). ^c Excludes extraordinary events such as bushfires, prescribed burning, dust storms, fire incidents or any other activity agreed by the Planning Secretary. ^d Deposited dust is to be assessed as insoluble solids as defined by Standards Australia, AS/NZ 3580.10.1.2003: Methods for Sampling and Analysis of Ambient Air – Determination of Particulate Matter – Deposited Matter – Gravimetric Method.	Throughout this document
Schedule 3 Condition 9	Dust Management The Proponent must maintain the site in a condition that minimises or prevents the emission of dust or sand from the site, including the prompt and effective rehabilitation of all disturbed areas, to the satisfaction of the Secretary.	Sections 9 and 10 and Landscape and Rehabilitation Management Plan
	Air Quality Management Plan Within 3 months of approval of Modification 4, the Proponent must prepare an Air Quality Management Plan for the project to the satisfaction of the Secretary. This plan must:	Completed for MOD 4 - Submission date 10/02/19, Appendix A

Number	Consent Condition	Comment
Schedule 3 Condition 10	(a) be prepared by a suitably qualified and experienced person/s;	VGT Laboratories Pty Ltd completed 2019 update. IEMA assisted with 2021 and 2025 updates.
	(b) be prepared in consultation with the EPA;	Section 2
	(c) describe the measures to be implemented to ensure: (i) compliance with the air quality criteria and operating conditions in this approval; (ii) best practice management is being employed; and (iii) air quality impacts of the project are minimised during adverse meteorological conditions and extraordinary events;	Section 8 Section 9 Section 10
	(d) describe the air quality management system; and	Section 9
	(e) include an air quality monitoring program that: (i) is capable of evaluating the performance of the project against the air quality criteria; (ii) adequately supports the air quality management system; and (iii) includes a protocol for identifying any air quality- related exceedance, incident or non-compliance and for notifying the Department and relevant stakeholders of these events.	Section 8 Section 9 Section 10 Section 11
	The Proponent must implement the plan as approved by the Secretary.	Approval date to be recorded
Schedule 4 Condition 2	Notification of Landowners If the results of the monitoring required in schedule 3 identify that the impacts generated by the project on site are greater than the relevant impact assessment criteria, and there is no negotiated agreement in place to allow the impact, then within 2 weeks of obtaining the monitoring results the Proponent must:	Section 11
	(a) notify the Secretary, the affected landowners and the tenants (including tenants of quarry-owned properties) accordingly, and provide monitoring results to each of these parties until the results show that the project is complying with the relevant criteria in schedule 3; and	Section 11
	(b) in the case of exceedances of the relevant air quality criteria, send the affected landowners and/or tenants a copy of the NSW Health fact sheet entitled "Mine Dust and You" (as may be updated from time to time).	Section 11
	Management Plan Requirements The Proponent must ensure that the Management Plans required under this approval are prepared in accordance with any relevant guidelines, and include:	

Number	Consent Condition	Comment
Schedule 5 Condition 2	(a) detailed baseline data;	Section 5
	(b) a description of: - the relevant statutory requirements (including any relevant approval, licence or lease conditions); - any relevant limits or performance measures/criteria; and - the specific performance indicators that are proposed to be used to judge the performance of, or guide the implementation of, the project or any management measures;	Section 4 Section 7 Section 10
	(c) a description of the measures that would be implemented to comply with the relevant statutory requirements, limits, or performance measures/criteria;	Section 9
	(d) a program to monitor and report on the: - impacts and environmental performance of the project; and - effectiveness of any management measures (see (c) above);	Section 8 Section 12
	(e) a contingency plan to manage any unpredicted impacts and their consequences;	Section 10
	(f) a program to investigate and implement ways to improve the environmental performance of the project over time;	Section 12
	(g) a protocol for managing and reporting any: - incidents; - complaints; - non-compliances with statutory requirements; and - exceedances of the impact assessment criteria and/or performance criteria; and	Section 11
	(h) a protocol for periodic review of the plan.	Section 12

4.2. NSW EPA Licence 13406 Conditions

The site operates under EPL 13406 for the scheduled extractive activities. There are three licenced discharge points (D1, D2 and D3) for the purposes of Ambient Air Quality Monitoring with no limits required by the licence. Additional conditions relating to Air Quality are listed in **Table 4**.

Table 4 – EPL 13406 Conditions

Condition	Description	Comment
O3 Dust		
O3.1	All areas in or on the premises must be maintained in a condition that prevents or minimises the emission of dust to the air	Section 9.1
O3.2	Any activity carried out in or on the premises must be carried out by such practical means as to prevent dust or minimise the emission of dust to the air.	Section 9.1

Condition	Description	Comment
O3.3	Any plant operated in or on the premises must be operated by such practical means to prevent or minimise dust or other air pollutants	Section 9.1
O3.4	All trafficable areas and vehicle manoeuvring areas in or on the premises must be maintained, at all times, in a condition that will minimise the emission of dust to the air, or emission from the premises of wind-blown or traffic generated dust.	Section 9.1.4
O3.5	Trucks entering and leaving the premises that are carrying loads of dust generating materials must have their loads covered at all times, except during loading and unloading.	Section 9.1.4
O5.3	Rehabilitation works must be carried out as soon as practicable to minimise wind-blown dust generated from the premises	<i>Rehabilitation Management Plan</i>
M2 Requirement to monitor concentration of pollutants discharged		
M2.1	For each monitoring / discharge point or utilisation area specified below (by a point number), the licensee must monitor (by sampling and obtaining results by analysis) the concentration of each pollutant specified in Column 1. The licensee must use the sampling method, units of measure, and sample at the frequency, specified opposite in the other columns:	Table 8
M2.2	Air Monitoring Requirements	Table 8
R4 Other reporting Conditions		
R4.4	Ambient Air Quality Reporting Where any ambient PM ₁₀ monitoring result approaches or exceeds 50 µg/m ³ the licensee must undertake an investigation to ascertain the reason for the elevated result and supply a report to the EPA with the Annual Return that explains the reason for the elevated PM ₁₀ that was recorded.	Section 11.3

4.3. Statement of Commitments

Redisand is required to comply with the following commitments outlined in the Statement of Commitments found in the EA and Appendix 3 of MP 07_0094.

Table 5 – Statement of Commitment Conditions

Condition	Description	Comment
Air Quality	Any unsealed haulage routes are to be watered to suppress dust prior to the commencement of haulage.	Section 9
	Monitoring of air quality is to occur in accordance with the licensing requirement imposed on the project.	Section 4

5. BASELINE AIR QUALITY DATA

Consultation with DPIE in April 2021 clarified that baseline data was considered any sampling completed prior to the project commencing. At Redisand, depositional dust baseline data was collected in 2014 prior to construction starting in 2015.

Under Schedule 3 Condition 8, in the original 2010 Project Approval Redisand was required to monitor the following:

- Depositional Dust;
- Total Suspended Particulates; and
- Particulate Matter <10 µm (PM₁₀).

In 2018, air quality monitoring criteria was updated with the approval of MOD 4. One of the new changes was to install a PM_{2.5} monitor. However, as Redisand was already in operations there is no available baseline data for PM_{2.5}.

As the site had long term data pre and post commencement, the baseline air results included data up to 2020.

5.1. Depositional Dust

Depositional dust has been monitored at three locations since the commencement of the project. The following table provides annual depositional dust results at each monitoring location since the first monitoring event in 2014.

Table 6 – Depositional Dust Annual Averages (2014 – 2020)

Depositional Dust g/m ² /month							
Location	2014	2015	2016	2017	2018	2019	2020
D1 Gate	1.4	2.4	2.1	1.7	1.8	2.3	2.2
D2 Wisely	3.0	2.3	3.0	1.1	1.7	2.7	2.2
D3 N B Rd*	0.6	0.8	1.5	0.8	0.7	1.7	1.3
Criteria	4.0	4.0	4.0	4.0	4.0	4.0	4.0

*2930 Nelson Bay Road

Table 6 shows that depositional dust has been consistently below the annual average criteria (4g/m²/month) over the life of the project.

5.2. PM₁₀

TSP and PM₁₀ monitoring result are provided in **Table 7**. Redisand experienced an increase in daily PM₁₀ in 2018 and 2019. These exceedances were most likely short-term exceedances caused by wind and dust as a result of the extreme bush fire season.

Table 7 – PM₁₀ Annual Averages (2014 – 2020)

Particulate Matter (µg/m ³)							
Pollutant	2014	2015	2016	2017	2018	2019	2020
TSP Annual Average	36	23	22	29	31	37	28
Criteria	90	90	90	90	90	90	90
PM ₁₀ Annual Average	22	12	11	15	16	20	12

Particulate Matter (µg/m ³)							
<i>Criteria</i>	25	25	25	25	25	25	25
PM ₁₀ 24 hr Maximum	49	29	26	32	59	58	34
<i>Criteria</i>	50	50	50	50	50	50	50

6. EXISTING AND POTENTIAL SOURCES OF DUST

6.1. Surrounding Environment

The surrounding land uses are predominantly agriculture, bushland, and quarrying. The site is surrounded by bushland to the south, east and west, while land to the immediate north is cleared for agricultural purposes. Sources of dust and particulate matter in the region include:

- Traffic on sealed and unsealed roads;
- Exhaust fumes;
- Quarrying and earth moving activities;
- Agricultural activities;
- Fires: including bushfires, operation of fireplaces and wood stoves, and agricultural burning; and
- Local building and construction.

6.2. Site Activities

Activities within the site that have the potential to cause dust and particulate matter include:

- Sand processing using vibrating screens;
 - Operation of front-end loaders within the extraction area;
 - Loading by front-end loaders to the sand processing plant, trucks or stockpiles;
 - Haul truck movements over unsealed roads and within the excavation area; and
 - Wind-blown dust from raw and product stockpiles.
-

7. AIR QUALITY ASSESSMENT CRITERIA

Schedule 3 Condition 8 of the Project Approval requires that “the Proponent must ensure that particulate matter emissions generated by the development do not cause exceedances of the criteria in the table below at any residence on privately-owned land”. The approved air quality criteria are outlined in **Table 8**.

Table 8 – Approved Air Quality Criteria for Redisand

Pollutant	Average Period	Criterion	
Particulate Matter <10µm (PM ₁₀)	Annual	a, c 25 µg/m ³	
	24 hour	b 50 µg/m ³	
Particulate Matter <2.5µm (PM _{2.5})	Annual	a, c 8 µg/m ³	
	24 hour	b 25 µg/m ³	
Total suspended particulate (TSP) matter	Annual	a, c 90 µg/m ³	
Deposited Dust	Annual	b 2 g/m ² /month	a 4 g/m ² /month

Notes:

- a. Total impact (i.e. incremental increase in concentrations due to the development plus background concentrations due to all other sources)
- b. Incremental impact (i.e. incremental increase in concentrations due to the development on its own).
- c. Excludes extraordinary events such as bushfires, prescribed burning, dust storms, fire incidents or any other activities agreed by the Planning Secretary.
- d. Deposited dust is to be assessed as insoluble solids as defined by Standards Australia, AS/NZS 3580.10.1:2003 Methods of Sampling and Analysis of Ambient Air – Determination of Particulate Matter – Gravimetric Method.

8. AIR QUALITY MONITORING PROGRAM

8.1. Monitoring Locations

The *Air Quality Impact Assessment* (Advitech, 2017) prepared for MOD 4 investigated the local meteorology and seasonal impacts and identified 24 sensitive receptors. The report also predicted that dust impacts on these receptors would be minimal and incremental impacts on top of background levels would not exceed criteria. The monitoring of dust deposition gauges will continue at three sites (D1, D2 and D3) on the perimeter of the operation, as shown on **Figure 2**. High Volume Air Samplers (HVAS) monitors are located at the end of Access Road.

The sites all comply with AS3580.1.1 *Methods for sampling and analysis of ambient air – Guide to siting air monitoring equipment*. The ongoing compliance of the locations and general condition of the gauges will be checked on a monthly basis and any non-compliances reported on the Sampling Report.

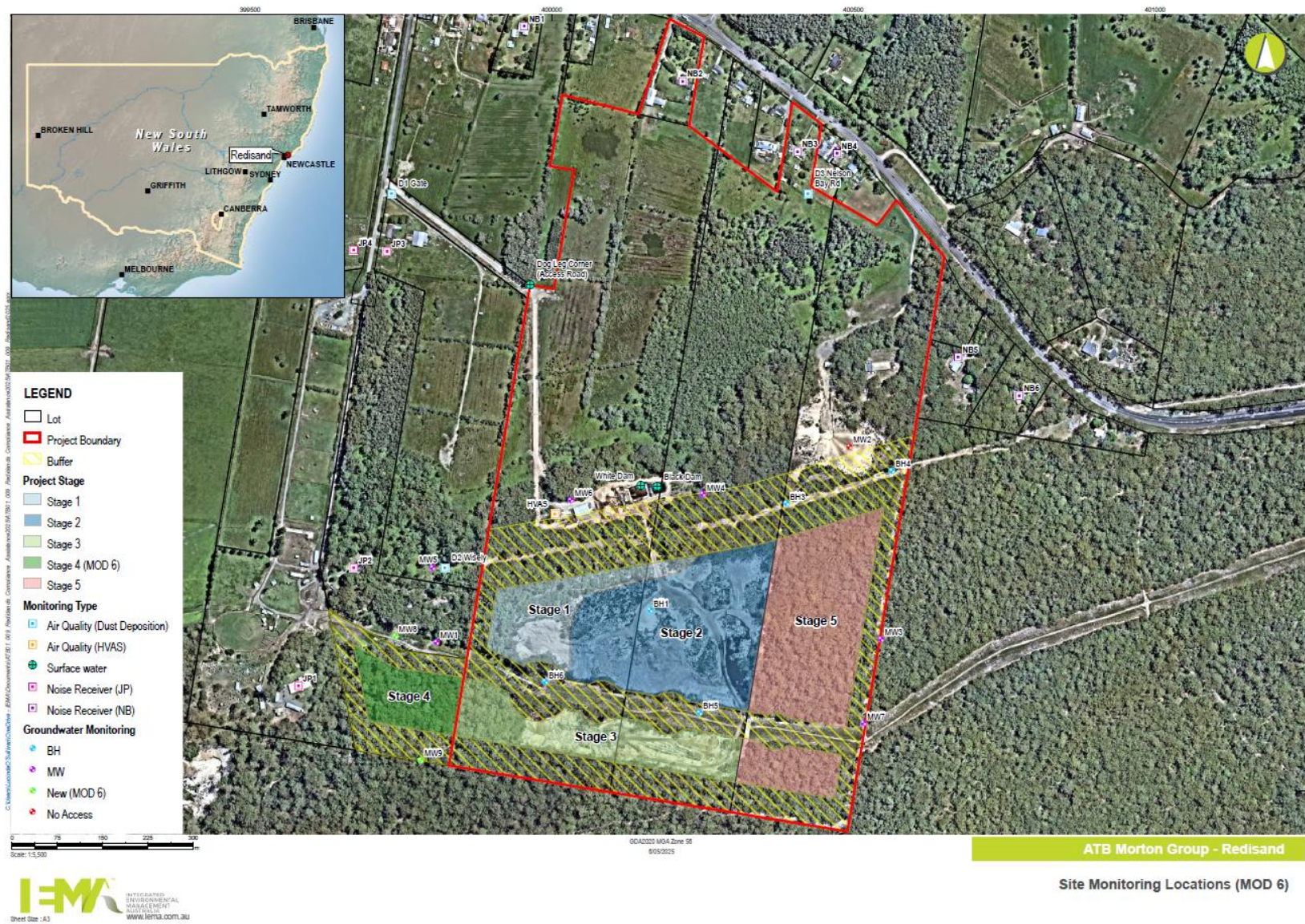


Figure 2 – Redisand Monitoring Locations (IEMA, 2025)

8.1.1. Monitoring Intervals

Redisand is required to monitor HVAS and depositional dust gauges at intervals outlined in EPL 13406 under condition M2.1. The monitoring requirements and frequencies at each location are shown in **Table 9**.

Table 9 - EPL 13406 Air Quality Monitoring Requirements

Point 1 (D1)

Pollutant	Units of Measure	Frequency	Sampling Method
Particulates – Deposited Matter	grams per square metre per month	Monthly	AM-19
PM ₁₀	micrograms per cubic metre	Every 6 days	AM-18
Total suspended particles	milligrams per cubic metre	Every 6 days	AM-15

Point 2,3 (D2 and D3)

Pollutant	Units of Measure	Frequency	Sampling Method
Particulates – Deposited Matter	grams per square metre per month	Monthly	AM-19

8.1.2. Dust Deposition Gauges

The dust deposition gauges will be sampled every 30 days $\pm$ 2 days as recommended in AS3580.10.1. The gauges contain 2.5L bottles, which are large enough to collect the highest predicted average monthly rainfall of 123mm (equivalent to 2.1L). Dust gauge monitoring will provide a total amount of dust present on the perimeter of the development in all seasons and weather conditions. Past trends indicate that even in dry months, the dust levels have been, and are predicted to remain below air quality NSW assessment criteria (Advitech, 2017).

8.1.3. High Volume Air Samplers

The HVAS will collect particulates (TSP, PM₁₀ and PM_{2.5}) in ambient air for 24 hours on a 6-day cycle as recommended in AS3580.9.3, AS3580.9.6 and AS3580.9.14.

8.2. Sampling and Analysis Reports

All samples are tested in a NATA accredited laboratory. The laboratory will present the Quarry Manager with monthly reports on all dust monitoring sampling and analysis. The reports will include:

- Methods, location and duration of monitoring;
- The date(s) on which the sample was taken;
- The time(s) at which the sample was collected;
- The point at which the sample was taken; and
- The name of the person who collected the sample.

9. AIR QUALITY MANAGEMENT SYSTEM

9.1. Dust Suppression Measures

9.1.1. Extraction and Processing

- Extinguished extraction areas will be promptly and effectively rehabilitated in accordance with procedures outlined in the *Landscape and Rehabilitation Management Plan*.
- Damping Down
 - Hardstand and manoeuvring areas are to be kept in a sufficient state of dampness so as to minimise dust raised into the air by the passing of vehicles.
 - Water is applied by on-site suppression sprays. Frequency of water application shall be as often as required so as to prevent dust rising into the air under the prevailing conditions.
 - Potential dust generating material is to be processed and stored in a damp condition.

9.1.2. Wind Breaks and Bunds

Wind breaks and walls of natural vegetation or man-made fences around the boundary of the site are to be established and maintained in accordance with the *Landscape and Rehabilitation Management Plan*.

9.1.3. Progressive Rehabilitation

Progressively rehabilitate the site, to minimise the area exposed to wind erosion (Refer to *Landscape and Rehabilitation Management Plan* for planting and watering details).

9.1.4. Transportation

- All unsealed haul routes are watered prior to use;
- All vehicles are restricted to a speed limit of 30km/h;
- Trucks are covered when entering and leaving the premises carrying loads of potentially dust generating material; and
- All vehicle movements on unsealed areas are to be restricted to internal haul roads and working areas.

9.2. Reactive Dust Management

The plant manager will visually assess activities during regular activities as well as adverse weather conditions and modify activities as required to minimise dust, including:

- Increase use of the sprinklers in dry weather;
- Delaying non-essential earth-moving activities during periods of high wind; and
- Reducing truck speeds.

A monthly review of monitoring results will be undertaken to ensure results are compliance and there are no adverse trends.

9.3. Adverse Meteorological Conditions and Extraordinary Events

During prolonged periods of hot, dry, windy weather, the Quarry Manager will ensure the sprinkler system has been used appropriately. All non-essential earth-moving activities will be delayed until there are more conducive conditions, and truck speeds will be reduced on unsealed areas.

When results of monitoring are available, they will be assessed against criteria in **Section 7** to determine whether exceedances have occurred. A review of conditions and monitoring will be undertaken to determine whether an incident or non-compliance has occurred, thereby triggering actions as outlined in **Section 10**.

Bushfires, prescribed burning, fire incidents, regional dust storms or other extraordinary events that may cause elevated background dust levels will be recorded by the Quarry Manager. Where sufficient notice allows, the sprinkler system will be deployed, and all non- essential earth-moving activities will cease. Truck speeds will be reduced on unsealed areas. After the event, monitoring results will be reviewed to determine whether exceedances have occurred. These exceedances are not incidents, or non- compliances. The details of the event will be recorded, and outcomes reviewed to allow opportunities for improvement of the system.

10. TRIGGER ACTION RESPONSE PLAN (TARP)

The TARP format has been updated from the previous AQMP and now includes 'green', 'amber' and 'red' triggers and responses.

Key Element	Trigger / Response	Condition Green	Condition Amber	Condition Red
Exceed short-term PM ₁₀ and PM _{2.5} criteria (Table 8)	Trigger	PM _{2.5} result is <20 µg/m ³ for short term criteria.	PM _{2.5} is >20 µg/m ³ but <25 µg/m ³ for short term criteria.	PM _{2.5} result is >25 µg/m ³ for short term criteria.
		PM ₁₀ result is <40 µg/m ³ for short term criteria.	PM ₁₀ result is >40 µg/m ³ but <50 µg/m ³ for short term criteria.	PM ₁₀ result is >50 µg/m ³ for short term criteria.
	Response	No response required. Continue monitoring program.	- Review and investigate operational activities and control measures. Implement additional remedial measures, such as: - Deployment of additional water sprays; and - Relocation / modification of dust generating sources.	- Submit an incident report to DPIE as per Schedule 5 Condition 6 of the Project Approval; - If the source is stockpiles, review the locations of the sprinkler system; - If the source is traffic, increase use of sprinkler system; and - If the source is disturbed area, implement planting program.
Exceed long term air quality criteria (Table 8):	Trigger	PM _{2.5} annual average is < 5 g/m ³ /month	PM _{2.5} annual average is >5 g/m ³ /month but <8 g/m ³ /month	PM _{2.5} annual average is >8 g/m ³ /month
		PM ₁₀ annual average is <20 g/m ³ /month	PM ₁₀ annual average is >20 g/m ³ /month but <25 g/m ³ /month	PM ₁₀ annual average is > 25 g/m ³ /month
		TSP annual average is <60 g/m ³ /month	TSP annual average is >60 but <90 g/m ³ /month	TSP annual average is <90 g/m ³ /month

Key Element	Trigger / Response	Condition Green	Condition Amber	Condition Red
		Depositional dust annual average is <2 g/m ² /month	Depositional dust is >2 g/m ² /month but <4 g/m ² /month	Depositional dust annual average is >4 g/m ² /month
	Response	No response required. Continue monitoring program.	- Review and investigate operational activities and control measures; and - Increase use of sprinklers.	- Submit an incident report to DPIE as per Schedule 5 Conditions 6 of the Project Approval; - If the source is stockpiles, review locations of sprinkler system; - If the source is traffic, increase use of sprinklers; and - If the source is disturbed area, implement planting program.
Mud tracked onto roads	Trigger	Minimal mud is being tracked on / off site.	A moderate amount of mud is being tracked on / off site.	Excessive amount of mud is being tracked on / off site.
	Response	Continue AQMP implementation.	- Decrease use of sprinklers (if in use); - Monitor weather conditions; and - Review operational activities.	- Cease traffic until weather conditions have cleared; and - Trucks off-site to cease until sealed area of haul road is cleaned off.
Dust emitted from loaded vehicles	Trigger	No dust is seen coming from loaded vehicles.	A moderate amount of dust is seen coming from loaded vehicles.	Excessive amount of dust is seen coming from loaded vehicles.
	Response	Continue AQMP implementation.	- Review and investigate operational activities and control measures; and - Increase use of sprinklers.	Stop traffic and ensure loads are covered.

Key Element	Trigger / Response	Condition Green	Condition Amber	Condition Red
Dust emitted from disturbed areas	Trigger	No dust is seen coming from disturbed areas.	A moderate amount of dust is seen coming from disturbed areas.	Excessive amount of dust is seen coming from disturbed areas.
	Response	Continue AQMP implementation.	• Increase use of sprinklers; • Review monitoring and investigate operational activities; and • Reduce traffic speeds.	• Cease all non-essential earth moving activities; • Reduce truck activity; • Re-commence activities after Quarry Manager has reviewed mitigation measures and deemed them effective; and • Report any incidents or non-compliances to DPIE.
Adverse meteorological conditions	Trigger	No period of hot, dry windy weather.	Short-term period of hot, dry windy weather.	Prolonged period of hot, dry windy weather.
	Response	Continue AQMP implementation.	• Increase use of sprinklers; • Reduce truck speeds; and • Review and investigate operational activities.	• Cease all non-essential earth moving activities; • Cease traffic until conditions improve; • Re-commence activities after the Quarry Manager has reviewed mitigation measures and deemed them effective; and • Report any incident or non-compliance to DPIE.
Extraordinary Events (e.g. bushfire, prescribed)	Trigger	No extraordinary events occurred.	Extraordinary events in the region but have minimal impact on the site.	Extraordinary events occurring and have an impact on the site.

Key Element	Trigger / Response	Condition Green	Condition Amber	Condition Red
burning, dust storms, fire incidents, etc).	Response	Continue AQMP implementation.	- Review monitoring and determine if any exceedances have occurred; - Ensure sprinklers are being used properly; and - Plant manager to review operational activities.	- Cease all non-essential earth moving activities; - Reduce traffic speeds; and - Record the extraordinary event to be included in the Annual Review.
Complaints	Trigger	No complaints received	1-5 complaints received in a calendar year.	More than 5 complaints received in a calendar year.
	Response	Continue AQMP implementation.	- Investigate complaint in accordance with the Complaints Procedure; and - Record all complaints for the Annual Review.	- Review and investigate operational activities; and - Record complaints for the Annual Review and the EPL Annual Return.

11. REPORTING AND COMPLIANCE

Redisand reporting and compliance is summarised below. This includes:

- Reporting of exceedances and non-compliances; and
- The Annual Review completed each March covering the previous calendar year.

11.1. Evaluation of Air Quality Results

The Quarry Manager will review the results monthly to determine whether there are any exceedances or non-compliances by comparing each result to the criteria given in **Section 7**. Any exceedances will be investigated and actioned as outlined in **Section 10**. Any non-compliance will be reported to DPIE and other relevant authorities in accordance with Schedule 5 Condition 7 of the Project Approval.

Once reviewed, the results will be published on Redisand's website within 14 days of receipt from the laboratory. Results will also be summarised in the Annual Review.

The results will be retained for 4 years.

11.2. Incident Reporting

An incident is defined as *"an occurrence or set of circumstances that causes or threatens to cause material harm and which may or may not be or cause a non-compliance"*.

All incidents will be reported immediately to DPIE and the NSW EPA in accordance with Schedule 5 Condition 6 of Project Approval. The notification will be uploaded to the DPIE Portal and in writing to compliance@planning.nsw.gov.au and hunter.region@epa.nsw.gov.au and will include:

- The project identity: Redisand Salt Ash Sand Quarry, MP 07_0094, EPL13406,
- The location of the occurrence, including a plan or map, and
- The nature of the incident, including an estimate of the material harm caused.

It is noted that it is unlikely any incidents relating to air quality will occur at the site.

11.3. Exceedance of Criteria Reporting

11.3.1. Landowners and Tenants

Where an exceedance of criteria occurs, the affected landowners and tenants (including tenants of quarry-owned properties) will be notified within 2 weeks of receiving the results and provided monitoring results for the exceedance in accordance with Schedule 4 Condition 2b of MP 07_0094. They will also be provided the results of further events until the results show that the project is complying with the given criteria. The affected landowners and/or tenants will also be supplied with a copy of the NSW Health fact sheet entitled *"Mine Dust and You"* (as may be updated from time to time).

11.3.2. Non-Compliance Reporting

Non-compliances will be reported to DPIE and other relevant authorities in accordance with Schedule 5 Condition 7 of the Project Approval. Note, a non-compliance that is reported as an incident is not required to also be reported as a non-compliance to DPIE.

11.4. External Reporting

11.4.1. Annual Review

Each year Redisand shall provide a summary of air quality monitoring results within its Annual Review. The Annual Review will be prepared and submitted to the Secretary in accordance with Schedule 5 Condition 3 of the Project Approval.

The Annual Review will include a comprehensive review of monitoring results from the previous calendar year and identify long term monitoring trends. Redisand will also report on the effectiveness of its current dust management controls and identify if any additional management controls are required.

Any investigations into exceedances and / or incidents will be detailed in the Annual Review and the EPL Annual Returns. The Annual Review will also be accessible to the public through the Redisand website.

11.5. Complaints

11.5.1. Community Complaints

Air quality related community complaints will be recorded in a logbook and actioned in accordance with the *Complaints Procedure*. A summary of complaints will be published on the Redisand website and provided in the Annual Review.

11.5.2. Independent Review

In the event a landowner considers Redisand to be exceeding the criteria provided in Schedule 3 Condition 8 of the Project Approval (see **Section 7**), then the landowner may request an Independent Review of air quality impacts be completed at the property. The Independent Review will be carried out in accordance with Schedule 4 Condition 3 of the Project Approval.

12. REVIEW AND IMPROVEMENT

This AQMP will be reviewed and revised as necessary in accordance with Schedule 5 Condition 4 of the Project Approval which states, *'Within 3 months of:*

- (a) The submission of an annual review under condition 3 above;*
- (b) The submission of an incident report under condition 6 below;;*
- (c) The submission of an audit report under condition 8 below; and*
- (d) Any modifications to this approval,*

The Proponent shall review, and if necessary, revise, the strategies, plans, and programs required under this approval to the satisfaction of the Secretary.

Note: This is to ensure the strategies, plans and programs are updated on a regular basis, and incorporate any recommended measures to improve the environmental performance of the project.

Annual air quality monitoring results will be summarised in each Annual Review.

In reference to sub clause a), the need to revise and update management plans will be assessed during the preparation of the Annual Review. The Annual Review will state which management plans require updating.

A review will also be undertaken prior to the commencement of each stage in the extraction sequence plan to ensure that monitoring techniques and locations remain valid over the life of the extraction. This review will include an assessment of the effectiveness of the procedures outlined in **Sections 8 and 9** and describe any opportunities for improvement in line with the current Best Practice.

Updated versions of the management plans will be uploaded to the website.

13. ROLES AND RESPONSIBILITIES

Environmental roles and responsibilities for Redisand personnel are detailed below.

Table 10 – Roles and Responsibilities

Personnel	Responsibilities
Quarry Manager	• Provide that sufficient resources are allocated for the implementation of this Plan.
All employees and contractors	• Have a working knowledge of this AQMP; • Be aware of the environmental legislative requirements associated with Redisand and take measures to ensure compliance; • Coordinate the air quality monitoring requirements of this plan; • Evaluate and report monitoring results as required; • Coordinate air quality related incident investigations and reporting as required by legislation and internal standards and guidelines; • Assist with the review of this plan; • Comply with all requirements of this plan; • Report all potential environmental incidents to the Quarry Manager immediately; and • Seek approval from the Quarry Manager prior to making changes to infrastructure / processes which may result in increased air quality emissions.

14. REFERENCES

Advitech. (2017). Air Quality Impact Assessment Salt Ash Sand Quarry.

IEMA. (2020). Redisand Independent Environmental Audit (2020).

National Environment Protection Council. (February 2016). National Environment Protection (Ambient Air) Measure.

NSW Department of Planning and Environment. (Oct 2018). Approval 07_0094.

NSW EPA. (Dec 2016). Environment Protection Licence 13406.

Redisand Pty Ltd. (2018). Response to Submissions.

Redisand Pty Ltd. (Nov 2017). Modification to Redisand Salt Ash Sand Project Approval 07_0094 Environmental Assessment.

Redisand. (2020). 2020 Annual Review.

15. CHANGE INFORMATION

Table 11 summarises the main changes in the management plan updates.

Table 11 –Summary of Document Changes

Version	Date	Change Summary
1	March 2011	Dust Monitoring Program – Advitech. Prepared following project approval.
2	27 November 2015	Appendix E – Dust Monitoring Program - SLR Consulting Australia Pty LTD, 630.11213.00000. Updated following Independent Audit in 2014.
3	17 January 2019	Air Quality Management Plan - VGT Laboratories Pty LTD, 6914. Prepared for 07_0094 MOD 4 Schedule 3, Condition 10.
4	January 2022	Assisting with management plan updates following 2020 Annual Review - IEMA. This update includes: • General structure changes throughout the document; • Section 3 – 2020 Independent Environmental Audit updates; • Section 5 – Baseline data is now a separate section; • Section 7 – Assessment criteria is now a separate section; • Section 10 – Updated / re-formatted TARP; and • Section 13 – Roles and responsibilities (new section added). The following did not change: • No change to figures; • No change to the monitoring or management program; • No change to the review and reporting protocol.
5	May 2025	• Section 8.1 – added description of new location of HVAS monitors; • Update of Figure 2 to reflect new location of HVAS monitors; • Section 2.3 – added to reflect the consultation from the EPA regarding the updated monitoring point figure including the new location of the HVAS monitors; • Section 3.2 – added to include any actions related to air quality from the 2024 IEA; and • Section 4.1 – details of IEMA's assistance in preparing the latest version of this Air Quality Management Plan were added to the 'Comment' section for Schedule 3 Condition 10 in Table 3.

APPENDIX A -
Consultation with DPIE
(14 December 2018)

Lisa Thomson

Subject: FW: Project Approval 07_0094 Schedule 3 Condition 10

From: Ann Hagerthy [<mailto:Ann.Hagerthy@planning.nsw.gov.au>]

Sent: Friday, 14 December 2018 12:08 PM

To: Luke Johnson <LukeJohnson@atbmorton.com.au>

Cc: Leah Cook <Leah.Cook@planning.nsw.gov.au>; Philip Nevill <Philip.Nevill@planning.nsw.gov.au>

Subject: RE: Project Approval 07_0094 Schedule 3 Condition 10

Hi Luke,

The Department has approved your request for extension to submit the Air Quality Management Plan, in light of the Christmas period, and notes that it is due **10 February 2019**.

Regards,

Ann Hagerthy, PMP

Senior Compliance Officer (W, Th, F)

Compliance

Department of Planning & Environment | [PO Box 3145 | Singleton NSW 2330](#)

T [02 6575 3407](tel:0265753407) M [0428 976 540](tel:0428976540)

E ann.hagerthy@planning.nsw.gov.au

compliance@planning.nsw.gov.au



From: Luke Johnson <LukeJohnson@atbmorton.com.au>

Sent: Friday, 7 December 2018 12:30 PM

To: Ann Hagerthy <Ann.Hagerthy@planning.nsw.gov.au>

Cc: DPE PSVC Compliance Mailbox <compliance@planning.nsw.gov.au>

Subject: Project Approval 07_0094 Schedule 3 Condition 10

Good afternoon Ann,

I would like to formally request an extension of time (1 Month) to deliver the Air Quality Management Report as required under Schedule 3 Condition 10 of Mod 4.

After discussions with our consultant today, we have been advised that they require additional time to liaise with EPA and have the management plan approved.

We are requesting this extension due to the Christmas closure impacting the limited timeframe to complete this task.

Thank you Ann

Luke

Luke Johnson

Planning and Approvals Officer

ATB Morton Group

9 Old Punt Road, Tomago, NSW, 2322

PO Box 186, Hunter Region MC, NSW, 2310

Phone: +61 2 4961 6822 Fax: +61 2 4961 4343



Mobile: +61 435 796 434

Website: www.atbmorton.com.au



The team at ATB Morton send you best wishes
for a happy holiday season.

Our office will be closed from COB Friday 21st December 2018
through to Wednesday 2nd January 2019.

We look forward to working with you in 2019!



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APPENDIX B -
Consultation with EPA
(8 January 2019)

Lisa Thomson

From: Hamish Rutherford <Hamish.Rutherford@epa.nsw.gov.au>
Sent: Tuesday, 8 January 2019 3:45 PM
To: Lisa Thomson; Steve Clair; EPA RSD Hunter Region Mailbox
Cc: Luke Johnson
Subject: RE: Salt Ash Sand Quarry DA 07_0094 and EPL 13406 - DOC19/11631

Dear Lisa,

The licensee would need to submit a Licence Variation Application to the EPA for consideration and assessment in due course. However, the Approved Methods state:

"In exceptional circumstances, the EPA may approve the use of alternative methods to those provided here. An application for approval of a test method (TM), continuous emissions monitoring method (CEM), other approved method (OM) or ambient monitoring method (AM) as an equivalent alternative to a method in this document (the 'approved method') must be made in writing to the Chief Scientist, Environment Protection Authority.

The application must:

- *demonstrate that there are exceptional circumstances that justify the use of a method other than the approved method*
- *give comprehensive technical details of the alternative method for which approval is sought*
- *show that the alternative method is scientifically sound*
- *show that the alternative method would produce results comparable to those produced by the approved method. This involves establishing method equivalency, by following the procedure outlined in USEPA Method 301, including the optional sections where appropriate.*

The EPA will not approve an alternative to a specified TM, CEM, OM or AM unless it is satisfied that the application for approval gives adequate details of the proposed alternative method as listed above.

Any other method, which has been approved by the EPA in accordance with the approval procedures set out above as an equivalent alternative to a TM, CEM, OM or AM of a particular number in this document, is prescribed as an approved method of that same number."

Please note that the licensee is required to comply with the licence in force at the time.

Regards,

Hamish Rutherford

Acting Head Regional Operations Unit – Hunter Region

North Branch, NSW Environment Protection Authority

Ph: +61 2 4908 6824 Mob: 0459 073 635 Fax: +61 2 4908 6810

hamish.rutherford@epa.nsw.gov.au www.epa.nsw.gov.au  @EPA_NSW

Report pollution and environmental incidents 131 555 (NSW only) or +61 2 9995 5555



From: Lisa Thomson <Lisa@vgt.com.au>

Sent: Tuesday, 8 January 2019 12:00 PM

To: Steve Clair <Steve.Clair@epa.nsw.gov.au>; EPA RSD Hunter Region Mailbox <hunter.region@epa.nsw.gov.au>
Cc: Luke Johnson <LukeJohnson@atbmorton.com.au>
Subject: RE: Salt Ash Sand Quarry DA 07_0094 and EPL 13406
Importance: High

To Whom it May Concern (while Steve Clair is on leave),
As Steve is aware, I am preparing the Air Quality Management Plan for the Redisand Salt Ash Sand Quarry (DA 07_0094, EPL 13406), which is required to be submitted to the **DPE by 10th February 2019**.

Further to this issue, the proponent has a new condition in DA 07_0094 Mod 4 requiring to ensure that Particulate Matter less than 2.5 microns (PM2.5) does not exceed 24 hour and annual criteria, in addition to criteria for Particulate Matter less than 10 microns (PM10), Total Suspended Particulate Matter (TSP) and deposited particulate matter. The site's EPL 13406 also requires monitoring of deposited particulate matter, TSP and PM10 in accordance with the appropriate Approved Methods. The proponent has been undertaking this monitoring continuously for over 4 years, and has reliable local, site-relevant data that could be used to determine a ratio between TSP and PM10. PM2.5 has not previously been monitored on the site.

It is our proposal to replace the top of one of the existing site High Volume Air Samplers so that PM2.5 can be monitored instead of TSP, while continuing to monitor PM10 using the second High Volume Air Sampler and deposited particulate matter using the 3 static dust gauges. TSP could be calculated from PM10 using a ratio developed from valid data collected from the site over the past 4 years. Results from the site given in the attached spreadsheet shows that $TSP (\mu g/m^3) = 2.14 \times PM10 (\mu g/m^3)$. Since this means that TSP would not be monitored in accordance with AM-15 as specified in condition M2.2 of EPL 13406, Redisand will require permission from the EPA to undertake this change.

Thankyou for your prompt attention to this issue. Please contact me as soon as possible if you need further information or with your comments or feedback.

Regards,
Lisa Thomson
Ph: 02 4028 6412
Mob: 0427 334471
Web: www.vgt.com.au

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From: Steve Clair [<mailto:Steve.Clair@epa.nsw.gov.au>]
Sent: Tuesday, 18 December 2018 11:00 AM
To: Lisa Thomson <Lisa@vgt.com.au>
Subject: RE: Salt Ash Sand Quarry DA 07_0094

Hi Lisa,

The Environment Protection Authority (EPA) encourages the development of such plans to ensure that proponents have determined how they will meet their statutory obligations and designated environmental objectives. However, the EPA does not review these documents as our role is to set environmental objectives for environmental management, not to be directly involved in the development of strategies to achieve those objectives.

Regards,

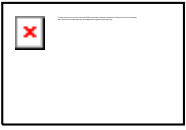
Steve Clair
Regional Operations Officer – Hunter Region

North Branch, NSW Environment Protection Authority

Ph: 0249086850 Mob: 0418439316

steve.clair@epa.nsw.gov.au www.epa.nsw.gov.au [@EPA NSW](https://www.facebook.com/EPA_NSW)

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From: Lisa Thomson <Lisa@vgt.com.au>
Sent: Tuesday, 18 December 2018 10:56 AM
To: Steve Clair <Steve.Claire@epa.nsw.gov.au>
Cc: Luke Johnson <LukeJohnson@atbmorton.com.au>
Subject: RE: Salt Ash Sand Quarry DA 07_0094

Hi Steve,
Are you able to assist with this Plan?

Regards,
Lisa Thomson
Ph: 02 4028 6412
Mob: 0427 334471
Web: www.vgt.com.au

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From: Lisa Thomson
Sent: Friday, 14 December 2018 3:11 PM
To: 'Steve.Claire@epa.nsw.gov.au' <Steve.Claire@epa.nsw.gov.au>
Subject: Salt Ash Sand Quarry DA 07_0094

Dear Steve,

VGT have been engaged by ATB Morton to prepare an Air Quality Management Plan for their Redisand Sand Quarry operation in Salt Ash, NSW in accordance with the development approval condition number 10, which states:

10. Within 3 months of approval of Modification 4 (date required for submission to DPE is 10th Feb 2019), the Proponent must prepare an Air Quality Management Plan for the project to the satisfaction of the Secretary. This plan must:

- (a) be prepared by a suitably qualified and experienced person/s;
- (b) ***be prepared in consultation with the EPA;***
- (c) describe the measures to be implemented to ensure:
 - (i) compliance with the air quality criteria and operating conditions in this approval;
 - (ii) best practice management is being employed; and
 - (iii) air quality impacts of the project are minimised during adverse meteorological conditions and extraordinary events;
- (d) describe the air quality management system; and
- (e) include an air quality monitoring program that:
 - (i) is capable of evaluating the performance of the project against the air quality criteria;
 - (ii) adequately supports the air quality management system; and
 - (iii) includes a protocol for identifying any air quality-related exceedance, incident or non-compliance and for notifying the Department and relevant stakeholders of these events.

The Proponent must implement the plan as approved by the Secretary.

I am therefore contacting you with regards to any requirements the EPA may have regarding the preparation of this document. I was given your address by the client as a person they had been in communication with previously. If you are not the correct contact for this task, I would appreciate your advice as to who I should next contact.

Thanking you in anticipation of your assistance.

Regards,
Lisa Thomson
Environmental Chemist
VGT Environmental Compliance Solutions Pty Ltd
02 4028 6412
0427 334471

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APPENDIX C -
DPIE Letter
(16 July 2021)

Tawna Ryan

From: Tawna Ryan
Sent: Tuesday, 11 January 2022 1:16 PM
To: Tawna Ryan
Subject: FW: Salt Ash Quarry - Air Quality Management Plan July 2021 - More Information Required
Attachments: ..datacontent\magertelimages\New_DPIE_Logo1561956956365.png

From: no-reply@majorprojects.planning.nsw.gov.au [mailto:no-reply@majorprojects.planning.nsw.gov.au]
Sent: Friday, 16 July 2021 6:06 PM
To: PlanningRedisand <planning@redisand.com.au>
Cc: PlanningRedisand <planning@redisand.com.au>; emily.pemberton@dpie.nsw.gov.au
Subject: Salt Ash Quarry - Air Quality Management Plan July 2021 - More Information Required

Dear Grant ,

I refer to the Air Quality Management Plan July 2021 you have submitted for the Salt Ash Quarry .

The Department is requesting you provide additional information before accepting the document.

Planner's Comments for additional information request: The Plan is noted as version 4 but is also lodged as a New Document under the Post Approval Details section of the lodgement form. Please provide a track-changes version of the submitted Plan.

Please append recent engagement evidence with the EPA in preparation of this version of the Plan.

Please include detail on the suitability of individuals preparing the Plan, in accordance with condition 10 of Schedule 3 (a).

Please access your profile for more details of this request and to resubmit your document.

If you have any enquiries, please contact Emily Pemberton on 8275 1783 /at emily.pemberton@dpie.nsw.gov.au.

To sign in to your account click [here](#) or visit the Major Projects Website.

Please do not reply to this email.

Kind regards

The Department of Planning, Industry and Environment

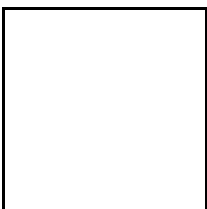


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APPENDIX D -
Endorsement of Experts
(13 December 2021)

Mr Grant Stevenson
Quarry Manager
A.T.B. Morton Pty Ltd
9 Janet Parade
Salt Ash, NSW 2318

13/12/2021

Dear Mr Stevenson

**Salt Ash Quarry (MP 07_0094)
Request for Endorsement of Expert**

I refer to your request (MP 07_0094-PA-20) for the Secretary's approval of suitably qualified and experienced persons to update the Air Quality Management Plan and Landscape Management Plan, as required under conditions 10(a) and 23(a) of Schedule 3 of the conditions of consent for the Salt Ash Quarry (MP 07_0094).

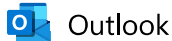
The Department has reviewed the information you have provided and is satisfied that the nominees are suitably qualified and experienced to update the abovementioned management plans. Consequently, I can advise that the Secretary approves the appointment of Chris Jones and Tawna Ryan of Integrated Environmental Management (IEMA) to update the Air Quality Management Plan and Landscape Management Plan.

If you wish to discuss the matter further, please contact Tanvir Islam on (02) 9995 6389.

Yours sincerely

As nominee of the Secretary

APPENDIX E -
DPHI Correspondence
(18 February 2025)



Outlook

RE: Extension Request for Submission of Revised Air Quality Management Plan for Redisand Quarry

From Jennifer Sage <jennifer.sage@dpie.nsw.gov.au>

Date Mon 4/14/2025 9:18 AM

To Francis Giepmans <francis.giepmans@iema.com.au>

Cc planning@redisand.com.au <planning@redisand.com.au>; Grant Stevenson <GrantStevenson@redisand.com.au>; Chris Jones <chris.jones@iema.com.au>

Hello Fran

Thank you for your update.

I have also been in contact with the EPA and understand that they have requested updated plans for other monitoring points, including dust and water, as some have changed. Please note that Redisand will need to review all affected management plans (e.g. water and groundwater).

I am comfortable with the revised date for submitting the AQMP. Given that the EPA has given verbal approval for the new position of the HVAS, I am hoping that there won't be a need for any further extensions.

Regards

Jen

Jennifer Sage

Senior Compliance Officer

Development Assessment and Sustainability | Planning Compliance

Department of Planning, Housing and Infrastructure

M 0400 245 170 **T** (02) 6575 3420 **E** jennifer.sage@dpie.nsw.gov.au

516 High Street, Maitland NSW 2320

dphi.nsw.gov.au



I acknowledge the traditional custodians of the land and pay respects to Elders past and present. I also acknowledge all Aboriginal and Torres Strait Islander staff working with the NSW Government.

From: Francis Giepmans <francis.giepmans@iema.com.au>

Sent: Friday, 11 April 2025 12:39 PM

To: Jennifer Sage <jennifer.sage@dpie.nsw.gov.au>

Cc: planning@redisand.com.au; Grant Stevenson <GrantStevenson@redisand.com.au>; Chris Jones <chris.jones@iema.com.au>

Subject: RE: Extension Request for Submission of Revised Air Quality Management Plan for Redisand Quarry

Hi Jennifer,

Hope this email finds you well.

Redisand received verbal consultation from the EPA on Monday 7 April providing preliminary approval of the newly proposed location for the HVAS monitors, however, they have asked for a more comprehensive site layout figure including all current monitoring points to be submitted to the EPA prior to completion and submission of the amendment to the *Air Quality Management Plan*.

Furthermore, they also confirmed it would take at least a couple of weeks to provide an official response letter as proof of their consultation of the newly proposed location of the HVAS monitors for Redisand to include as an appendix to the amended *Air Quality Management Plan*.

To give Redisand enough time to get an update site layout figure produced in addition to the *Air Quality Management Plan* amendment, could the submission due date of the management plan please be extended to **16 May 2025**?

Please don't hesitate to reach out if you wish to discuss further.

Kind regards,

FRAN GIEPMANS
Environmental Consultant



ABN 32 622 237 870
PO Box 3161,
Ground Floor, 41 Llewellyn Street,
MEREWETHER NSW 2291 AUSTRALIA
e: francis.giepmans@iema.com.au
m: 0421 182 511 | w: www.iema.com.au

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From: Jennifer Sage <jennifer.sage@dpie.nsw.gov.au>
Sent: Wednesday, 19 March 2025 4:09 PM
To: Francis Giepmans <francis.giepmans@iema.com.au>
Cc: planning@redisand.com.au; Grant Stevenson <GrantStevenson@redisand.com.au>; Chris Jones <chris.jones@iema.com.au>
Subject: RE: Extension Request for Submission of Revised Air Quality Management Plan for Redisand Quarry

Hello Francis

Thanks for your email. I hadn't sent the request through the Major Projects portal.

I have been in contact with the EPA today and am aware that they have received your request.

The new timeframe of 16 April 2025 is reasonable. When you have the EPA's feedback, please submit both the revised management plan and the EPA's comments/feedback to the Major Projects portal.

Regards
Jen

Regards
Jen
Jennifer Sage
Senior Compliance Officer
Development Assessment and Sustainability | Planning Compliance
Department of Planning, Housing and Infrastructure

M 0400 245 170 **T** (02) 6575 3420 **E** jennifer.sage@dpie.nsw.gov.au

516 High Street, Maitland NSW 2320

dphi.nsw.gov.au



I acknowledge the traditional custodians of the land and pay respects to Elders past and present. I also acknowledge all Aboriginal and Torres Strait Islander staff working with the NSW Government.

From: Francis Giepmans <francis.giepmans@iema.com.au>

Sent: Wednesday, March 19, 2025 10:22 AM

To: Jennifer Sage <jennifer.sage@dpie.nsw.gov.au>

Cc: planning@redisand.com.au; Grant Stevenson <GrantStevenson@redisand.com.au>; Chris Jones <chris.jones@iema.com.au>

Subject: Extension Request for Submission of Revised Air Quality Management Plan for Redisand Quarry

Hi Jennifer,

Hope this email finds you well.

I am reaching out on behalf of Grant Stevenson, Quarry Manager at Salt Ash Quarry (Redisand), regarding the email you sent on 18 February 2025 (see below) requesting the submission of the revised *Air Quality Management Plan* with a due date of today (19 March 2025).

We contacted the EPA on 27 February 2025 (see attached email) to request their consultation on the newly proposed location of the HVAS monitors, however, we are yet to hear back and therefore have not been able to revise the *Air Quality Management Plan* as required.

Redisand would like to request an extension for the submission date of the revised *Air Quality Management Plan* to **16 April 2025** if possible.

I did log onto the NSW Major Projects Portal to see if there was an active case to submit this request under, but could not locate one, and have therefore written it up in this email.

Please don't hesitate to reach out if you wish to discuss further.

Kind regards,

FRAN GIEPMANS

Environmental Consultant



ABN 32 622 237 870

PO Box 3161,

Ground Floor, 41 Llewellyn Street,

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From: Grant Stevenson <GrantStevenson@redisand.com.au>
Sent: Wednesday, 19 February 2025 8:00 AM
To: Chris Jones <chris.jones@iema.com.au>; Francis Giepmans <francis.giepmans@iema.com.au>
Subject: FW: Air quality monitors at Salt Ash Quarry

FYI

Grant Stevenson
Quarry Manager



Redisand Pty Ltd | www.redisand.com.au
7 Janet Parade, Salt Ash NSW 2318 | PO Box 186, HRMC, NSW 2310
M 0422 016 870 | P (02) 4961 6822 | F (02) 4961 4343

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From: Jennifer Sage <jennifer.sage@dpie.nsw.gov.au>
Sent: Tuesday, February 18, 2025 2:27 PM
To: Grant Stevenson <GrantStevenson@redisand.com.au>
Subject: RE: Air quality monitors at Salt Ash Quarry

Caution: This email was sent from outside the organisation. Please take care when clicking links or opening attachments.

Thanks for your reply Grant

You would now be aware that James McDonough is on leave from DPHI and Jarrod is the contact for your site now.

Redisand needs to submit a revised Air Quality Management Plan to the department for approval by the Secretary. It should satisfy the requirements of Schedule 3 Condition 10 of the project approval (07_0094 as modified) for Salt Ash Quarry, in particular the new monitoring location should meet the requirements of paragraph (e) of this condition, i.e. be capable of evaluating the performance of the quarry against the air quality criteria.

https://majorprojects.planningportal.nsw.gov.au/prweb/PRRestService/mp/01/getContent?AttachRef=MP07_0094-MOD-5%2120220907T023154.236%20GMT

Could you please submit the revised Air Quality Management Plan to DPHI through the Major Projects portal by 19 March 2025, unless otherwise agreed. It will be assigned to the relevant officer in the Assessment team.

Happy to discuss.

Jennifer Sage

APPENDIX F -
Consultation with EPA
(14 April 2025)

Dear Jennifer

Please find attached the updated premises map and co-ordinates for all points.

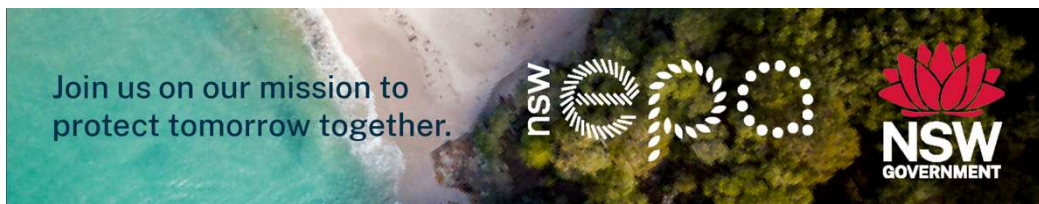
The EPA once you have agreed will vary the licence to incorporate these points and anything else planning requires.

Please let us know if you require anything further.

Yours faithfully

David Bell

Operations Officer - Operations
NSW Environment Protection Authority
D 02 4908 6817 | M 0408242752
www.epa.nsw.gov.au @NSW_EPA



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As part of the world's oldest surviving cultures we pay our respect to Aboriginal Elders past, present and emerging

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From: Jennifer Sage <jennifer.sage@dpie.nsw.gov.au>
Sent: Monday, 14 April 2025 9:20 AM
To: David Bell <David.Bell@epa.nsw.gov.au>
Cc: Natasha Ryan <Natasha.Ryan@epa.nsw.gov.au>
Subject: RE: HVAS Redisand Salt Ash Quarry repositioning update

Hi David

Thanks for your email and update. I just saw that you tried to call. Apologies – I wasn't at my desk.

Late last week, Redisand's consultant contacted me about giving them an extension to provide the revised AQ management plan. They intend to submit it to us by 16 May 2025, so they can provide EPA with updated plans, as you've indicated. Hoping they get them to you soon, so we can keep this moving.

Thanks
Jen

Jennifer Sage

Senior Compliance Officer

Development Assessment and Sustainability | Planning Compliance

Department of Planning, Housing and Infrastructure**M** 0400 245 170 **T** (02) 6575 3420 **E** jennifer.sage@dpie.nsw.gov.au

516 High Street, Maitland NSW 2320

dphi.nsw.gov.au

I acknowledge the traditional custodians of the land and pay respects to Elders past and present. I also acknowledge all Aboriginal and Torres Strait Islander staff working with the NSW Government.

From: David Bell <David.Bell@epa.nsw.gov.au>**Sent:** Monday, 14 April 2025 8:50 AM**To:** Jennifer Sage <jennifer.sage@dpie.nsw.gov.au>**Cc:** Natasha Ryan <Natasha.Ryan@epa.nsw.gov.au>**Subject:** HVAS Redisand Salt Ash Quarry repositioning update

Dear Jennifer

Natasha Ryan has assigned me Redisand's Salt Ash Quarry.

Just to keep you up to date,

The EPA has verbally agreed to the proposed repositioning of the HVAS as detailed in the submission and awaits your approval to finalise it.

I have requested an updated premises map which includes the co-ordinates for the HVAS plus all of the water monitoring and dust monitoring positions as some have changed due to the illegal works by a neighbour.

Once we receive the updated map, we will commence the variation and let you know.

If we don't receive the map by 9 May 2025, I will be going on holidays, and Natasha Ryan will assign the work to someone else.

Yours faithfully

David Bell

Operations Officer - Operations

NSW Environment Protection Authority

D 02 4908 6817 | **M** 0408242752www.epa.nsw.gov.au @NSW_EPA