

From: Suthers, Steve [Steve.Suthers@sibelco.com.au]
Sent: Wednesday, 31 October 2012 12:15 PM
To: Crane Leonie
CC: Strahley, Darrel
Subject: Re: Dust complaint- Marmor,

Hi Leonie,

On behalf of Darrel and myself, we wish to advise you of the site actions in addressing this incident.

Site will contact the complainant as soon as possible and discuss the issues of the incident. We will also advise them that if any issue does arise of which they have concerns they are more than welcome to contact either of use directly at any time.

Site is also going to canvas the local community on an individual basis(if possible) advising them that we are available at any time, and will looking at doing on a regular basis.

Site has also decided that the section of public dirt road consisting that from site front gates to the house on the western site(Approx 200mtrs) will now be included in our water suppression campaign.

Dust Monitoring is now in place and when relevant data is received are more than happy to forward to you.

If you require any further informant, please don't hesitate to call us.

Kind Regards,
Steve

RTI DL RELEASE - EHP

From: Evans Mark
Sent: Thursday, 8 November 2012 4:08 PM
To: Crane Leonie
Subject: Marmor Lime works

Leonie,

have had a few looks at this since you asked me, and at the time I have viewed it I have not observed any nuisance or harm.

This includes a couple of times in the morning and in the afternoon, where I have not observed any emissions.

Have looked from the highway after dark a couple of time and have seen emissions against the night sky, but these could have been steam and at the time of observation the breeze was blowing away from the township.

Let me know if you want anything else, but will continue to have a look.

mark

Mark Evans
Regional Manager - Gladstone, Biodiversity & Planning
Central Region
Environmental Services and Regulation
Department of Environment and Heritage Protection

Phone: 07 4971 6527 (Gladstone - generally Mon - Thur)

Phone: (61) 4971 6527 (Rockhampton - generally Fri)

Mobile: (61) 4971 6527
Mobile: (61) 4971 6527

RTI DL RELEASE - EHP

From: Evans Mark
Sent: Friday, 23 November 2012 9:35 AM
To: Crane Leonie
Subject:

Leonie,

On the way to Gladstone on Monday morning I went in to Marmor to show Reuben the Lime Kiln, following the complaint I understand we received last week.

The Kiln wasn't "turning", but there was general machine "noise" from the site.

We couldn't determine any nuisance from dust or odour at the time.

Mark Evans
Regional Manager - Gladstone, Biodiversity & Planning
Central Region
Environmental Services and Regulation
Department of Environment and Heritage Protection

Phone: 07 4971 6527 (Gladstone - generally Mon - Thur)
Phone: 07 4837 3516 (Rockhampton - generally Fri)
Mobile: 07 4947 6177
DL 4661 Personal Information

RTI DL RELEASE - EHP

From: Ryan, Nigel [Nigel.Ryan@sibelco.com.au]

Sent: Tuesday, 20 August 2013 4:50 PM

To: Crane Leonie

Subject: RE: Marmor Site

Attachments: Monitoring data form 2013 Marmor 20Aug13.xlsx; Petrographic Report EN1302773.pdf

Hi Leonie,

Please find attached a copy of the Monitoring Data Spread sheet for 2013 as requested.

Please note the following points:

- We have moved dust gauge no. 2 to the residential area beside the complainant's residence. The no. 2 gauge was close to no.1 gauge and providing redundant data.
- We have moved the no. 4 gauge from up on the hill, close to the plant to across the road near the rail crossing as this area provides the best "representative" background or upwind monitoring location.

This will enable the data from the sensitive residential area to be compared to the background dust gauge that will receive the same influence from the coal trains and the traffic travelling on the unsealed roads. The difference should be the impact from the plant (less any local activity occurring in the immediate area).

I have also attached the results from the "Ghost Wipes" taken from the complainant's car and water tank. The results show mainly biological/organic matter and fine clay particles. No lime or coal dust.

Please call me if you have any further questions.

Regards,

Nigel Ryan

Environmental Advisor



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Australia

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sch4p4(6) Personal Information
[com.au](mailto:Ryan.Nigel@sibelco.com.au)

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From: Crane Leonie [mailto:Leonie.Crane@ehp.qld.gov.au]
Sent: Tuesday, 20 August 2013 2:34 PM
To: Ryan, Nigel
Subject: Marmor Site

Hi Nigel,

Regarding the Marmor operations, would you be able to email the results for any dust monitoring etc that Sibelco has completed onsite.

Cheers,
Leonie

Leonie Crane | Senior Environmental Officer
Environmental Services Mining, Central Region

Department of Environment & Heritage Protection

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MONITORING DATA REGISTER

SITE:

Marmor

Year

2013

Site Monitoring, Inspection and Reporting Schedule

2013

	Mon	Tue	Wed	Thurs	Fri	Sat	Sun	Mon	Tue	Wed	Thurs	Fri	Sat	Sun	Mon	Tue	Wed	Thurs	Fri	Sat	Sun	Mon	Tue														
Jan		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31					
Feb					1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28					
Mar					1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
Apr	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30							
May			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31				
Jun						1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30		
Jul	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31						
Aug				1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31			
Sep							1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
Oct		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31					
Nov					1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30			
Dec							1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31

Legend	
	Monthly Dust Deposition Monitoring
	Monthly Surface Water Monitoring
	Blast Monitoring
	Ground Water Monitoring
	Rehabilitation Monitoring
	Other Monitoring (specify)
	Monthly Environmental Inspection
	Quarterly Program Report
	Dam Inspections

RTI DL RELEASE - EHP

STACK AIR EMISSION MONITORING

Marmor

Raw Data	Raw Data
Particulates @12% CO2 (mg/Nm3)	Particulates @7% CO2 (mg/Nm3)
13.5	64
13.5	64
13.5	64
13.5	64

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sch4p4(7)(1)(c) Business affairs

RTI DL RELEASE - EHP

SITE: **Marmor**SITE: **Marmor**

sch4p4(7)(1)(c) Business

This will be the first month for external community background monitoring at #4

sch4p4(7)(1)(c) Business affairs

sch 404(7)(1)(c) Business affairs

sch4p4(7)(1)(c) Business affairs

sch4p4(7)(1)(c) Business

RTI DL RELEASE, EHP

COAL & ORGANIC PETROLOGY SERVICES PTY LTD
ABN 71 107 385 008
UNIT 23, 80 BOX ROAD, TAREN POINT, 2229 NSW AUSTRALIA

ALS ENVIRONMENTAL
5 Rosegum Road,
Warabrook NSW 2304

1/2

Attn: subresults.nc@alsenviro.com

Purchase Order 328032

Job No. EN1302773

Our reference: EM811 (EC025, 026, 027)

REPORT FOR DUST SAMPLES

1. Three dust samples, labeled EN1302773 -001, -002 & -003, were received 31/07/2013, with a request to carry out microscopical identification of the dust constituents to determine presence of any coal.
The samples were received as wet swabs that had been wiped over surfaces to collect any dust.
2. The samples were examined under a stereo-microscope (50x) to determine the nature of the dust deposits. The dusts were very fine sized and a portion of the wipe taken from the garden shed was prepared for examination at high magnification. Only this sample had sufficient dust to warrant detailed examination. Table 1.0 shows the results of this examination.

TABLE 1.0

Sample	Deposit Dust	Coal	Minerals; quartz, clay, etc.	Insect & Plant Remains
Paul's car 22/7/13 EC25	None observed			
Water tank 17/7/13 EC026	Traces only-insufficient for GM	At low magnification dust	appears similar to the	garden shed sample
Garden shed 17/7/13 EC027	Trace	Very slight trace <<1%	Fine grained clays. Minor, 5% - 10%	Mainly black plant spores, minor plant fragments. Major, 90% - 95%

sch4p4(6) Pe

sch4p4(6) Personal information

H. Read
17/08/2013

Our reference: EM811

From: CALLINAN Graham [Graham.Callinan@dnrm.qld.gov.au]
Sent: Thursday, 22 August 2013 1:11 PM
To: Crane Leonie
Subject: RE: dust complaint Marmor

Hi Leonie

I did go to site and investigate the complaint. The site monitors and collects airborne dust that is sent away for analysis. The only area of the plant that makes dust is designed so that the dust is collected and bagged. I identified some issues with this process and the mine has addressed them. The mine is also asking the company that analysis's the dust to give them a break down of the dust samples collected. (dirt, coal, vegetable) This will enable them to identify where the dust is coming from.

I have not heard back from the person who raised the issue. A follow up visit will be conducted in the next couple of months.

Cheers
Graham

From: Crane Leonie
Sent: Tuesday, 20 August 2013 2:40 PM
To: CALLINAN Graham
Subject: dust complaint Marmor

Hi Graham,

We spoke a few months ago in relation to a complaint received about the Sibelco Marmor Limestone plant.

What was the outcome of that in relation to NRM? I remember you said you went to site?

Regards,
Leonie

Leonie Crane | Senior Environmental Officer
Environmental Services Mining, Central Region

Department of Environment & Heritage Protection

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From: Ryan, Nigel [Nigel.Ryan@sibelco.com.au]
Sent: Thursday, 22 August 2013 2:22 PM
To: Crane Leonie
Subject: Emailing: MAR0007 Dust monitoring locations 10Jul13.pdf
Attachments: MAR0007 Dust monitoring locations 10Jul13.pdf

Hi Leonie,

Please find attached a copy of the current dust deposition gauge monitoring locations.

Regards,

Your message is ready to be sent with the following file or link attachments:

MAR0007 Dust monitoring locations 10Jul13.pdf

Note: To protect against computer viruses, e-mail programs may prevent sending or receiving certain types of file attachments. Check your e-mail security settings to determine how attachments are handled.

Nigel Ryan
Environmental Advisor

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MARMOR MONITORING POINTS



From: Ryan, Nigel [Nigel.Ryan@sibelco.com.au]
Sent: Tuesday, 27 August 2013 1:46 PM
To: Crane Leonie
Subject: FW: Emailing: SAM_0720, SAM_0716, SAM_0717, SAM_0718, SAM_0719
Attachments: SAM_0716.jpg; SAM_0717.jpg

Hi Leonie,

Following our discussion today, please find attached a couple of photos of the newly installed "pug mill" that will pelletise the kiln dust ash from the bag house where it will then be transported to the pit. This will significantly reduce any dust emission during the disposal process of the kiln bag house.

Regards,

Nigel Ryan
Environmental Advisor

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From: Ryan, Nigel [Nigel.Ryan@sibelco.com.au]
Sent: Friday, 30 August 2013 11:45 AM
To: Crane Leonie
Subject: FW: Pug screw
Attachments: SAM_0743.AVI

Hi Leonie,

You may be interested that we have the new pug screw install and have a video of it running as per attachment...No dust at all from the new process.

Regards,

Nigel Ryan
Environmental Advisor

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-----Original Message-----

From: Pilditch, David
Sent: Friday, 30 August 2013 10:27 AM
To: McKenzie, Hugh; Warhurst, Shane; Saloyedoff, Virginia; Ryan, Nigel
Subject: Pug screw

Hi All,

The pug screw has been installed and is now going after many issues, all electrical. Doing a good job.

Hugh at the moment I can't see a need for any VSD's at all but we will give it some time before we decide the way forward.

Regards,

David Pilditch
Operations Manager
13-297

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RTI DL RELEASE - EHP

From: Baker Tony [Tony.Baker@ehp.qld.gov.au]

Sent: Tuesday, 10 September 2013 2:10 PM

To: Crane Leonie

Subject: Marmor

Attachments: Capture 2.PNG; Capture 3.PNG; Capture 4.PNG; Capture 6.PNG; Capture 8.PNG; Capture.PNG; Capture 7.PNG

Here are some screen capture shots of an emission point that maybe be causing a nuisance issue. If you could find out what it is and whether this is normal that would be great. The movie does give you a better idea of what's going on.

Cheers

Tony Baker

Principal Environmental Officer, Environmental Services Mining
Environmental Services and Regulation, Central Region

Telephone: 07 4837 3512

Email: tony.baker@ehp.qld.gov.au

www.ehp.qld.gov.au

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RTI DL RELEASE - EHP

From: Ryan, Nigel [Nigel.Ryan@sibelco.com.au]
Sent: Wednesday, 11 September 2013 4:16 PM
To: Crane Leonie
CC: Pilditch, David; Saloyedoff, Virginia
Subject: RE: Marmor nuisance issue

Hi Leonie,

Thank you for sending through the pictures of the dust emissions on site. I have been on site today to review the progress and actions identified in earlier ICAM investigations. I am pleased to report that the site has implemented most of the changes to equipment and processes on site, as well as a considerable effort to improve house-keeping by removing waste from site, installing a new pug mill on the kiln baghouse and developing and implementing procedures to the operation of both the kiln and baghouse.

There is still considerable work to shift kiln ash from temporary stockpiles around the pit that should be completed over the next few weeks. The site is also investigating dust suppression agents and water veneers.

With regard to the photos we have identified that the dust emissions are coming from the vent on the baghouse. We have looked at the Marmor Rotary Kiln Running Sheet that has shown that the kiln was shut down on 25/08/13 at 11.00am, and re-started on 27/08/13 at 8.00am.

Following a detailed investigation we have found that it is most likely that the following events contributed to the dust emissions:

- If the baghouse trips out (due to power outages outside of the site's control) and the plant is re-started, it is possible for the blower to be started without the baghouse operating that will result in dust emissions from the baghouse vent;
- There is no interlock between the blower and the baghouse on the kiln;
- Photo 6 clearly shows the dust emissions from the baghouse vent;
- In the case of the emissions in the photos, it is most likely that when the kiln was restarted, the operator failed to start the baghouse. This coincides with the timing of the kiln shutdown period.

The site is currently investigating the following actions:

- Updating procedures and SOP to address the issues of correct start-up procedure;
- Operator training;
- Supervision of kiln start-up period;
- Visual monitoring of the baghouse during start-up period;
- Investigating the possibility of installing an interlocking device to ensure that the blower cannot be started without the baghouse running, and/or installing an alarm if the baghouse is not running when the blower is operating.

I will keep you informed of our progress on this matter over the next few weeks. If you have any further questions or would like to discuss this further, please do not hesitate to contact me.

Regards,

Nigel Ryan

Environmental Advisor



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From: Crane Leonie [mailto:Leonie.Crane@ehp.qld.gov.au]

Sent: Tuesday, 10 September 2013 2:28 PM

To: Ryan, Nigel

Subject: Marmor nuisance issue

Hi Nigel,

Please see attached screen capture shots of an emission point that maybe causing a nuisance issue at Marmor. If you could find out what it is and whether this is normal that would be great.

The time period would be approximately 26 August 2013.

Thanks,

Leonie

Leonie Crane

Senior Environmental Officer, Environmental Services - Mining | Central Region

Environmental Services and Regulation

Department of Environment and Heritage Protection

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