

sch4p4(6) Personal information

On Wed, Nov 21, 2018 at 11:03 AM +1000, "SCANES Melanie" <Melanie.Scanes@des.qld.gov.au> wrote:

Hi sch4p4(6)

Those records are extracted directly from the blast report conducted by an external monitoring company. Below are the records from Beerburrum Weather data on BOM for August 2018. It does show variability throughout the day generally in the area. A WSW was recorded for that day. The weather did not result in a non-compliance, but may change your experience. This is a concern you may wish to raise with Hanson and get a response for future management. As a member of the public you may request from the department copies of reports related to compliance with an environmental authority that is held by the department through the public register. The links and info is provided in an email in the bottom of this chain.

Thanks for making contact

Regards

Melanie

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Date	Day	Temps		Rain	Evap	Sun	Max wind gust			9 am				3 pm							
		Min	Max				Dir	Spd	Time	Temp	RH	Cld	Dir	Spd	MSLP	Temp	RH	Cld	Dir	Spd	MSLP
		°C	°C					km/h	local	°C	%	g th	km/h	hPa	°C	%	g th	km/h	hPa		
1	We	6.8	24.2	0			SSE	19	14:43	17.3	56		S	6		21.9	38		ESE	9	
2	Th	6.5	22.8	0			ESE	22	12:38	16.2	69		Calm			21.3	46		SE	7	
3	Fr	7.1	23.9	0			N	22	13:20	16.6	75		S	2		21.7	48		E	7	
4	Sa	9.9	27.1	0.2			WSW	19	10:54	19.1	68		ENE	6		26.2	41		NNE	9	
5	Su	7.9	25.9	0			NNE	17	15:20	18.4	66		NNE	4		25.2	57		NE	7	
6	Mo	13.6	26.9	0.2			ENE	35	09:36	21.9	62		NNW	15		26.6	43		N	13	
7	Tu	12.8	22.6	0			WNW	28	13:59	17.1	48		SW	4		20.4	22		W	6	
8	We	3.5	22.3	0			NNW	17	10:50	16.2	37		S	4		21.9	24		Calm		
9	Th	4.6	22.2	0			SSE	19	12:49	16.7	39		SW	4		20.8	23		SSE	9	
10	Fr	7.2	22.5	0			S	22	11:12	17.8	54		SSW	6		20.0	49		ESE	6	
11	Sa	7.6	24.6	0			ENE	22	16:05	16.1	83		Calm			23.3	45		ENE	9	
12	Su	10.8	25.4	0			WNW	28	12:38	19.7	65		W	11		23.3	21		W	13	
13	Mo	5.9	22.5	0.2			NNW	17	13:18	14.7	30		S	4		21.3	18		SW	4	
14	Tu	3.4	23.4	0			N	19	13:46	15.9	39		SSW	2		22.3	37		E	7	
15	We	6.6	26.9	0			NNE	22	15:35	17.6	50		N	9		26.2	27		N	9	
16	Th	7.0	29.8	0			NNW	28	12:40	21.3	35		W	6		29.5	12		SW	7	
17	Fr	7.5	29.6	0			NNW	24	15:22	21.9	24		SW	6		29.0	11		WSW	7	
18	Sa	8.5	28.5	0			NW	24	13:56	20.7	32		S	4		25.5	26		ENE	9	
19	Su	9.7	23.8	0			WNW	39	11:31	19.6	28		W	9		22.1	15		SW	11	
20	Mo	8.2	21.1	0			WSW	28	10:58	15.0	26		WSW	9		20.5	13		WSW	7	
21	Tu	5.2	23.9	0			WNW	22	11:22	14.6	24		SW	7		23.9	12		S	6	
22	We	7.3	25.1	0			SSW	30	15:02	16.6	23		NW	13		24.4	10		WNW	7	
23	Th	4.4	24.0	0			NNE	24	13:16	17.5	48		SSW	6		21.5	48		ENE	9	
24	Fr	8.7	24.2	0			E	22	13:36	18.4	66		W	4		22.1	46		ENE	9	
25	Sa	10.8	22.5	13.6			E	22	11:01	16.8	77		SSE	7		19.9	52		E	9	
26	Su	10.3	20.8	8.6			WSW	35	12:10	16.7	93		SSW	4		18.9	71		NE	4	
27	Mo	9.8	23.6	8.6			WNW	28	05:50	17.9	60		WSW	7		22.4	31		SSW	7	
28	Tu	8.3	22.7	0			E	19	14:19	17.2	66		SSW	6		21.1	49		E	9	
29	We	9.1	25.0	0			W	24	11:18	18.6	35		W	9		24.4	15		SW	7	
30	Th	5.0	23.3	0.2			E	19	13:59	18.7	35		SSW	2		22.7	38		ENE	7	
31	Fr	6.2	26.2	0			NNE	39	13:46	20.2	62		NNE	7		25.5	34		N	17	
Statistics for August 2018																					
Mean		7.7	24.4							17.8	50			5		23.1	32			7	
Lowest		3.4	20.8	0						14.6	23		Calm			18.9	10		Calm		
Highest		13.6	29.8	13.6			#	39		21.9	93		NNW	15		29.5	71		N	17	
Total				31.6																	

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sch4p4(6) Personal information

From: SCANES Melanie [<mailto:Melanie.Scanes@des.qld.gov.au>]

Sent: Tuesday, November 20, 2018 2:34 PM

To: [sch4p4(6)]

Subject: RE: Hanson Quarry Blasting Situation

Hi [sch4p4(6)]

I called your home but there was no answer. My apologies for the delay. Hanson took some time to provide the information and the requested report. I have now been able to review all the data from the 5 consecutive blasts dated 4 May 2018, 17 May 2018, 21 June 2018 9 July 2018 and 20 August 2018. Also the blast we observed on 20 September 2018. I have reviewed the blasts against condition N3 of the Environmental Authority, which is included below for you reference. The monitoring results for GB2, located nearest your home are listed below;

Date	Blast ID	Airblast overpressure (db)	Ground Vibration (PPV)	Cloud cover %	Wind speed	Direction
4/5/18	GH-276	112.8	1.35	45	5.0	Not Recorded
17/5/18	GH-277	106.5	1.65	90	18	SW
21/6/18	GH-278	104.9	1.4	Overcast	0	Calm
9/7/18	GH-279	112.6	1.84	30	0	Calm
20/8/18	GH-280	111.2	2	50	0	Calm
20/9/18	GH-283	105.5	1.7	10	0	Calm

I have found all results to be under the limits set by the Environmental Authority. Please note that as the blasting is occurring in an area of the quarry that is closest to your home, the results for GB2 are higher than the other 2 monitoring sites for airblast overpressure. Attached is a locational diagram of blast GH-280. The date you noted a marked increase in your experience, 20/8/18 GH-280, is the highest vibration level recorded in the series. Thereby this may support your experience that this blast was greater than those previous, while it is still within compliance limits. The environmental limits set are set well below tolerance levels for home safety. They are also considered suitable to protect the environmental values in the area. I hope this answers your query. If you have any further questions just call or email to ask.

Regards

Melanie

N3

Blasting activities must not exceed the limits for peak particle velocity and air blast overpressure in *Table 3 - Blasting noise limits* when measured at any sensitive place or commercial place in accordance with the associated monitoring requirements.

Table 3 - Blasting noise limits

Blasting criteria	Blasting limits
Airblast overpressure	115 dB (Linear Peak) when measured outside the most exposed part of an affected any sensitive place or commercial place for four (4) out of any five (5) consecutive blasts initiated.
Ground vibration peak particle velocity	<p>The ground vibration must be:</p> <ul style="list-style-type: none"> for vibrations of more than 35Hz – not more than twenty five (25) millimetres per second ground vibration, peak particulate velocity; and for vibrations of not more than 35Hz – not more than (10) millimetres per second ground vibration, peak particle velocity.

Associated monitoring requirements

1. Monitoring must be in accordance with the most recent edition of the **administering authority's** *'Noise and Vibration from Blasting' Guideline* and *Noise Measurement Manual* and any relevant Australian standard.
2. Monitoring must be undertaken at GB3 (-26.9016, 152.9143) and at least completed at one of the other monitoring locations; GB1 (-26.9188, 152.9218) or GB2 (-26.9082, 152.9215). [GPS co-ordinates are in decimal degrees; GDA94].
3. All monitoring devices must be correctly calibrated and maintained.



Melanie Scanes

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From: SCANES Melanie [<mailto:Melanie.Scanes@des.qld.gov.au>]

Sent: Friday, September 21, 2018 7:59 AM

To: sch4p4(6)

Subject: RE: Hanson Quarry Blasting Situation

Hi sch4p4(6)

Following up from yesterday below is information on the departments public registers.

<https://www.des.qld.gov.au/our-department/rti/publication-scheme/our-lists/public-register/>

The Environmental Authority register link should take you to a page where licenses are held and able to be downloaded. See below for short cut. Search EA No. EPPR00389713.

<https://environment.ehp.qld.gov.au/env-authorities/>

The Enforcement register for other Environmental Protection Act information requests can be found at the below link. Hanson Glasshouse Mountains has no enforcement actions in place at this time.

<https://environment.ehp.qld.gov.au/enforcement-tools/>

You can request a search of files for the information. If you require a copy of a document that is not yet available online or are having problems accessing an online environmental authority/enforcement tool, email public.register@des.qld.gov.au. Alternatively, you can contact the Department of Environment and Science on 1300 130 372 (select option 2).

The types of information available is set out in the Environmental Protection Act Section 540. An exert of the legislation is below;

540Registers to be kept by administering authority

(1)The administering authority must, for its administration under this Act, keep a **register** of the following—

(a)for chapter 5, the following—

- (i)environmental authorities;
- (ii)surrendered environmental authorities;
- (iii)suspended or cancelled environmental authorities;
- (iv)submitted plans of operations;
- (v)annual returns required under section 308(3)(a) and any evaluation required under section 309;

(aa)application documents for an application for an environmental authority, including information requests and responses to information requests;

(b)for chapter 7, part 2—environmental evaluations and environmental reports;

(c)monitoring programs carried out under—

(i)this Act; or

(ii)a development condition of a development approval;

(d)the results of monitoring programs mentioned in paragraph (c);

(e)transitional environmental programs;

(ea)temporary emissions licences;

(eb)documents required to be given under—

(i)a condition of an environmental authority; or

(ii)a transitional environmental program or a condition of a transitional environmental program; or

(iii)a condition of a temporary emissions licence;

(f)environmental protection orders;

(g)direction notices;

(h)clean-up notices;

(i)cost recovery notices;

(j)authorised persons;

(ja)accepted enforceable undertakings;

(k)other documents or information prescribed under regulation.

(2)A reference to a document in subsection (1) includes a reference to any amendment of the document made under this Act.

Should there be other information you are seeking the RTI provisions can be accessed. The below link provides info and how to apply.

<https://www.des.qld.gov.au/our-department/rti/>

I am awaiting the data from yesterday's blast and other blast information requested. I will be back in touch when I have the information to share.

Regards

Melanie

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Melanie Scanes

Senior Environmental Officer

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Environmental Services & Regulation

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Figure 2 Google image of the Hanson Glasshouse Quarry showing the active production area and blast GH-280