

# **Williamstown & Surrounds Residents Action Group Inc.**

## **Submission Addition – SSD 13 6125**

Please attached this document to the WSRAG Inc. full report

**Noise Addition** – Attached document – B11 C & T Noise Equipment dBA reading pg 10



**Table 11.5b** Typical Construction Plant Sound Power Levels (SWL).

Plant	SWL (dBA)
Excavator	107
Front End – Low Loader	112
Dump Trucks	112
Tower Crane or Mobile Crane	105
Generators	95
Smooth Drum Roller	107
Scrapers	119
Graders	109
Dozer	119
Vacuum (Diesel Engines)	110
Concrete Trucks	109
Concrete Paver Roller	121
Hydro – mulching	114
Water Truck	110
Vibratory Rollers	110
Skid Steer loader	112
Chain Saws	114
Small Excavators	90
Tub grinder	116
Swamp Dozer	119
Rotary Hoes	107
Pug Mills	100
Concrete Plant	103
Asphalt Plant	114
Paving machine Asphalt	109
Paving machine Concrete	109
Saw Cutter	115
Dredge*	105

\* Noise levels of the dredge are based on measurements conducted for the Melbourne Ports Authority 'Trial Dredging Program'. Measurements are based on noise emissions from the dredge 'Queen of the Netherlands'.

We bring your attention to page 10 table 11.5b, in particular the noise readings for excavators, dump trucks, Dozer, water truck and tub grinders all of which will be part of the sand mine operations. These machines and their level of noise will have impacts on the quality of life of local residents and their families. This level of noise coupled with the trucks and road changes will possibility affect individual wellbeing. Including that of resident's animals and wildlife.

Note – a submission from our noise expert may still be submitted, there was a delay with his report.

<http://gcaudio.com/resources/howtos/loudness.html>

Below is a loudness comparison chart. 115 dB is 1 dB lower than a tub grinder; this is equivalent to a loud rock concert and sand blasting. The Dozer dB is even higher at 119 dB. This level of noise is unacceptable for local residents on their door steps.

## Decibel (Loudness) Comparison Chart

Here are some interesting numbers, collected from a variety of sources, that help one to understand the volume levels of various sources and how they can affect our [hearing](#).

Environmental Noise	
Weakest sound heard	0dB
Whisper Quiet Library at 6'	30dB
Normal conversation at 3'	60-65dB
Telephone dial tone	80dB
<a href="#">City Traffic</a> (inside car)	85dB
Train whistle at 500', Truck Traffic	90dB
Jackhammer at 50'	95dB
Subway train at 200'	95dB
<i>Level at which sustained exposure may result in <a href="#">hearing loss</a></i>	<i>90 - 95dB</i>
Hand Drill	98dB
Power mower at 3'	107dB
Snowmobile, Motorcycle	100dB
Power saw at 3'	110dB
<a href="#">Sandblasting</a> , Loud Rock Concert	<b>115dB</b>
<i>Pain begins</i>	<i>125dB</i>
Pneumatic riveter at 4'	125dB
<i>Even short term exposure can cause permanent damage - Loudest recommended exposure <u>WITH</u> hearing protection</i>	<i>140dB</i>
Jet engine at 100'	140dB
12 Gauge Shotgun Blast	165dB
Death of hearing tissue	180dB
Loudest sound possible	194dB

### OSHA Daily Permissible Noise Level Exposure

Hours per day	Sound level
8	90dB
6	92dB
4	95dB
3	97dB
2	100dB
1.5	102dB
1	105dB
.5	110dB
.25 or less	115dB

- Hypertension and various psychological difficulties can be related to noise exposure.

#### Air Vortex Sand Separator Concerns

<http://www.globalcrushers.com/wp-content/uploads/2013/04/Fisher-Air-Separator-brochure.pdf>



This is a picture of an air sand separator, similar to the one proposed to be used at the site. The link for the brochure is above. We have not being able to find information on the dB level of this machinery. With any equipment such as this there is not noise rating. We have grave concerns about this machinery and the impact it will have on residents and the noise it will create. If is were a quiet piece of machinery, this would surely be a sales characteristic. This aspect for the community only bring with it more concern about what might be...

## General Additional Notes and attachments

- In the report, we made mention of a presentation that we did with both the Department of Planning and also the Hon Rob Stokes office. This presentation is attached to this additional paperwork for the submission.
- Also attached are two documents of a signed petition. When WSRAG Inc. was first established we had a petition running to help gain support to the stop the proposal. Attached are all of the signatures collected in the first few weeks of finding out about the proposal. We feel that is important to demonstrate the support of the wider community.
- Currently we have 50 financial members of the association and 798 followers on our Facebook page and 120 people on our email contact list. The breadth of WSRAG Inc. grows by the week as what the association represents is highly regarded.
- The final attachment is the safety data sheet for silica sand, which was referenced in our main submission. We can assume that the employees will be wearing safety ware and masks, what are the reproductions of the fugitive dust for neighbours, children and animals?
- Water Submission – please see Dr Stephen Pell’s submission linked to Wilderness Society
- Attached is a copy of the Lekus paper which is referred to in the main submission regarding dust and aircraft.

## **Related Newspaper Article Links**

<http://www.theherald.com.au/story/3281027/council-rejects-mps-lease-claim/?cs=305>

<http://www.theherald.com.au/story/3276333/mp-launches-fierce-attack-but-mayor-laughs-it-off/?cs=305>

<http://www.portstephensexaminer.com.au/story/3272619/threat-grows-for-koalas/?cs=761>

<http://www.theherald.com.au/story/3254153/truck-traffic-set-to-soar/?cs=305>

<http://www.nbnnews.com.au/2015/08/02/residents-rally-against-park-rezoning/>

<http://www.theherald.com.au/story/3246876/michael-mcgowan-port-needs-fresh-start/?cs=308>

<http://www.theherald.com.au/story/3249948/da-refused-for-illegal-composting-business/?cs=305>

<http://www.theherald.com.au/story/3245058/mayor-votes-on-sand-mine-despite-conflict-of-interest/?cs=12>

<http://www.theherald.com.au/story/3241637/chaos-at-port-council-meeting/?cs=305>

<http://www.portstephensexaminer.com.au/story/3074134/speaking-up-for-residents/?cs=762>

<http://www.theherald.com.au/story/2951963/koalas-guaranteed-win-from-election/?cs=305>

<http://www.theherald.com.au/story/2933383/greens-challenge-sand-mine-status/?cs=305>

<http://www.theherald.com.au/story/2912619/extinction-threat-for-local-koalas/>

<http://www.theherald.com.au/story/2911835/greens-dig-in-against-port-stephens-sand-mine-plans/?cs=305>

<http://www.portstephensexaminer.com.au/story/2904797/concern-over-air-quality/?cs=762>

<http://www.theherald.com.au/story/2438318/uncertainty-over-jets-sponsor-as-receivers-called-in/>

<http://www.theherald.com.au/story/3230032/future-of-sand-mine-under-question/>

<http://www.theherald.com.au/story/2722221/jets-sponsor-locked-out-over-debt/>

<http://www.theherald.com.au/story/3213939/heads-in-sand-over-mine-sale/>

<http://www.theherald.com.au/story/2722544/shifting-sands-council-agrees-to-lease-transfer/>

<http://www.abc.net.au/news/2015-02-27/revelations-icac-looked-into-port-stephens-sand-mine-deal/6267626>

<http://www.abc.net.au/news/2015-02-19/residents-raise-health-fears-over-castle-quarry-sand-mine/6144408>

<http://www.portstephensexaminer.com.au/story/2919999/objection-to-mines-ramps-up/>

<http://newsstore.fairfax.com.au/apps/viewDocument.ac.jsessionid=3B5A0DE94656E34C53FDC3AF0B0C2885?sy=afr&pb=all ffx&dt=selectRange&dr=1month&so=relevance&sf=text&sf=headline&rc=10&rm=200&sp=brs&cls=287&clsPage=1&docID=NCH1312308I7JF6OOJLG>

<http://www.theherald.com.au/story/2895545/sand-mine-plan-alarms-neighbours/>

<http://www.portstephensexaminer.com.au/story/2951301/taking-koalas-case-to-canberra/>

<http://www.theherald.com.au/story/3680153/quarry-plan-brings-out-action-jackson/?cs=305>

<http://www.theherald.com.au/story/3654549/mackas-quarry-plans-queried/?cs=305>

<http://www.theherald.com.au/story/3538086/max-gasps-for-breath-over-sand-quarry-plan/>

<http://mobile.abc.net.au/news/2015-12-03/council-sand-mine-in-red-zone-to-go-on-public-exhibition/6996894>

<http://www.theherald.com.au/story/3538281/defence-concerns-about-air-quality/?cs=305>