

MINUTES OF MEETING
STRATHALBYN COMMUNITY CONSULTATIVE COMMITTEE

Thursday 22 June 2006

@ 7.00 pm

Senior Citizens Hall, 6 Parker Street, Strathalbyn

PRESENT:

Dean Brown - Chair	Ben Brazzalotto	David Bruer	Julia Currie
Barry Davis	Mike Farrier	Susan Jettner	Kirstie Murphy (arrived 7.45pm)
Anne Woolford, Deputy Mayor	Ian Woods	Roz Twartz	

PIRSA

Greg Marshall	Hans Bailiht	Dr Paul Heithersay (arrived 8.18)

TERRAMIN

Bob Jones	John Burgess	David Gladwin
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SPECIALISTS

Chris Purton – Tonkin & Associates Peter Reilly - EPA	Dr David Simon - Department of Health Frank Callaghan - Department of Health
	Public Gallery 14

APOLOGIES:

Dr Fred Carrangis	Adrian Pederick MP	Dr Ted Tye
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1.	<p>WELCOME BY THE CHAIRMAN</p> <p>Meeting commenced at 7.05 with a welcome from the Chairman.</p>
2.	<p>MINUTES OF PREVIOUS MEETING</p> <p>The Minutes of the previous meeting were accepted as a true and correct record of proceedings after the following changes were made.</p> <ul style="list-style-type: none"> • Rick Alderman from AWE was incorrect spelling of surname, should be ALDMAN
3.	<p>BUSINESS ARISING FROM MINUTES</p> <ul style="list-style-type: none"> • Advert in the Argus Newspaper • 8/6 Minutes need to be included • Issues for CCC summary to be provided at next meeting. • Ian Woods issues will be attached to the Minutes • Minute to be accurate summary of issues raised • Ian Woods voiced concern that his documentation was not being made public • Strathalbyn Library should be the location for SCCC information • Mike Farrier has a recording device.

4.	<p>HEALTH RISKS, DUST AND EMISSIONS</p> <p>7.30 pm Presentations from:</p> <ul style="list-style-type: none"> • John Burgess & Bob Jones from Terramin gave a presentation discussing odour issues. Copies of the presentation were handed to members • Chris Purton from Tonkin & Associates discuss how odour is measured. <p>8.06 pm</p> <ul style="list-style-type: none"> • Dr David Simon & Frank Calligan from the Department of Health spoke to a powerpoint presentation. Copies of the presentation were handed to members
	<p>General Discussion</p> <ul style="list-style-type: none"> • The Chair summarised conclusions of the Combined Schools Meeting • Air Sampling is paramount for the life of the mine
5.	<p>QUESTIONS</p>
Q1	<p>Is there lead oxide in the Tailings? No, still in for the form of sulphide not oxide.</p>
Q2	<p>How does presentation relate to other heavy metals For any metal to get into the system, it needs to be ingested. Zinc has not been known to be a problem</p>
Q3	<p>Do you consider Radium Hg in TSF to be dangerous? Providing that people are not living directly on top of it, it is safe.</p>
Q4	<p>When the mine is ‘blasting’ will dust be vented to surface? Blasting rock will be very localised and will not be picked up on the surface. During cold weather there will be some water vapour in the form of condensation visible from the vent shaft.</p>
	<p>STATEMENT: Lead sulphide is very stable.</p>
Q5	<p>Is there any ‘acid rain’? No, not to our knowledge. The ph of TSF would be high during the mine life and hence not acid</p>
Q6	<p>37 sample points for rainwater, where are they located? This is baseline study to show there is currently no issues and they are located within 4km around the mine site, including the schools, within the town, the racecourse, various private properties and the model aeroplane club grounds.</p>
Q7	<p>When TSF is sealed up, is there chemical reaction afterwards? No, this is because it is proposed to also line the top of the tailings so as to fully encapsulate the tailings to prevent air and water entering.</p>
Q8	<p>What prevailing winds are used? Used historical data shows wind direction –SW → W over the winter months and in summer, a more northerly direction. Post Office records were not used as they are not complete and recording stopped some time ago, the metrological data used was from the racecourse site only where there is 11 years of hourly, 24 hour data.</p>

Q9	How Significant is Topographical land form Only in very calm conditions where air is still, not in slight and heavier wind conditions.
Q10	Will the HDPE plastic TSF be subject to termites? The liner is 17 metres below ground and 1 metre overtop which will be inspected on a daily basis during production. Once sealed there will be a metre of top soil on the plastic.
	ACTION: IT WAS REQUESTED THAT AT THE NEXT MEETING A SAMPLE OF THE HDPE BE BROUGHT TO THE MEETING.
	Issues raised by Dr Fred Carrangis (as per email received 21 June 2006).
	3A In zinc and lead mines around the world, what is the incidence of eye, skin, respiratory tract disorders to the employees and how long does it take to affect them from the time of employment?
	3b What is the natural history of these disorders should they occur.
	3c In the event of a mine shaft collapse, what would be the role of local emergency services and medical officers. The Chair responded that he could not answer these questions as they come under the jurisdiction of Safework SA. ACTION: Answers to be obtained
	3d With exposure to lead, will blood lead monitoring of employees be undertaken, and how often will this be undertaken? Terramin monitors all employees as detailed in the MARP. There is a laundry on site, and all clothing will be provided on site including showers.
Q11	How often will there be monitoring of the dust and where will this monitoring be? They are part of the MARP and lease conditions and the CCC will have an input on the monitoring. The results will be reported to the CCC, PIRSA and the EPA. If there is a one off issue, then Terramin will report this outlining the circumstances.
Q12	What will Terramin do about Odours? The sampling was done two weeks ago in Broken Hill and Terramin expects it to meet the EPA criteria and guidelines for odour.
Q13	What is Dr. David Simons recommendation of what minerals or heavy metals are of greatest concern and lead blood levels? High Volume sampling testing on a six-day cycle. Integrated together with one month sampling. Only one metal – lead and dust. The Department of Health does not recommend testing any of the children for blood lead levels.
Q14	The Railway line from Broken Hill to Port Pirie, was lead an issue? Lead does not disperse very far from the source. The railway line was realigned and folling thathouses were moved onto the contaminated land. There are 2 children with high lead levels, both are due to lead based paint from their houses.

	Dean Brown presents a summary of the School outcomes.
Q15	Can the metal lead be monitored by using hair samples? This method is too variable from person to person and cannot be used for monitoring of lead levels.
Q16	Other issues - The maximum blood lead levels are in 0 – 2 year olds and tests will not use the same base level? 0 - 2 year old would need to be tested, not other age groups, but blood testing is not recommended.
	STATEMENT The day lead occurs on filters will be when there are problems at the mine site and the Department of Health will address these issues urgently.
Q17	If there is fallout, how quickly will this be detected in the population? There is not enough information available.
Q18	What if there is a 25% higher level of lead, how long will this take to be addressed? It will take two to three months but it is not believed to be an issue. Limit 0.05mg/m ³ yearly average over 1 year.
Q19	Why can't real time samplers be used for monitoring dust? They don't measure lead.
Q20	Odour monitoring one unit near Strathalbyn, will this be detected in town? 1< odour unit will not normally be detected by the general public. Near houses 2-4< odour units.
Q21	What would it smell like? Like "chemical" – "ripe apples", not like chlorine or rotten egg gas.
Q22	Would chemicals affect health? No. This is an indicator only, probably like a sulphurous smell. 4 – 9 events per year would not cause health problems
Q23	If Terramin can't maintain standards what guarantees are there that an Indenture would be introduced? Only Parliament can pass an Indenture Act, no guarantee can be given.
Q24	What effect does temperature inversions have on dust and odour? Need wind for dust and odour, with no wind it would just roll down the hill to the model aircraft area only but this would be very slow.
	9.55pm – End of Questions.

6.	<p>OTHER BUSINESS</p> <ul style="list-style-type: none"> • Questions sheets for Gallery available • On 3 August 2006 this is a community meeting at Stawell. • Ian Woods questions • Issue to Minister for comments <ol style="list-style-type: none"> 1. Dean Brown decided these issues, 2-3 more meetings 2. Attached is the Gazettal dated 25 May 06, that delegates Pat Conlon all powers and functions under S75 of the Development Act from 22/5/06. <p>PIRSA does not consider that there have been any substantial changes to Terramin's proposal to require the recirculation of the project. The amount of ore to be mined has not changed, the mining technique has not change however the TSF has changed from the original TFS with infrastructure being over 25ha to the TFS now being dry tailings over a reduced area of 15 ha.</p> <ol style="list-style-type: none"> 3. For board of Terramin only, not issued for this committee.
	<p>Rainfall data graphs provided by Terramin were discussed for the capacity of the TSF. It would require a single rainfall event of over 1000 mm overflow TSF. Highest recorded was 250mm in Strathalbyn on previous records.</p>
	<p>Would like to see more of the Tailings underground</p>
	<p>Terramin should do a CO² budget for the operation. Terramin will carry out CO² modelling.</p>
	<p>Should all tailings be concreted for safety or future generations? Maybe could go back into the pit. 40% of tailings going underground 1.00m RA's.</p>
	<p>General wellbeing of the community and how people will be kept happy ie. Social impacts and Community Health.</p>
	<p>QUESTION Council Minutes 5 June 2006. Terramin and Council land. Does the Council need to declare a vested interest? The Council owns the triangular piece of land below the TSF.</p>
7.	<p>NEXT MEETING Wednesday 28 June 2006 starting at 7.00 pm Issues to be discussed will be:</p> <ul style="list-style-type: none"> • Geotechnical issues and blasting
	<p>Next Meeting Dates</p> <ul style="list-style-type: none"> • Thursday 6 July 2006 – 7pm • Thursday 20 July 2006 – 7pm •
8.	<p>MEETING CLOSED – 10.30 pm</p>

ITEM NO:	ACTION	BY WHOM
1.	Odour Guidelines to be sent to Committee Members	HB