

MINUTES OF MEETING
STRATHALBYN COMMUNITY CONSULTATIVE COMMITTEE

Thursday 19 August 2010

@ 7.00 pm

Senior Citizens Hall, 6 Parker Street, Strathalbyn

PRESENT:

Charles Irwin - Chair	Fred Carrangis	Susan Jettner	Julia Currie
Barry Davis	Ben Brazzalotto	Adrian Pederick MP	Trent Rusby for Anne Woolford
Mike Farrier	Gallery 14		

PIRSA:

Hans Bailiht	Henry Andryszczak	Holly Cowan- Sec	Melissa Kretschmer – Sec
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TERRAMIN:

Anya Hart	Robert Howie
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EPA:

Nil

APOLOGIES:

Greg Marshall	Peter Riley	Anne Woolford
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Meeting commenced at 7.10 pm

1.	WELCOME BY CHAIRMAN
2.	APOLOGIES Apologies were accepted, as outlined above.
3.	REVIEW OF MINUTES OF LAST MEETING Corrections to 20 May 2010 minutes: <ul style="list-style-type: none">- Ben is listed as being Present and an Apology, should be an apology.- 20 May 2010 minutes accepted as true and correct. It is also noted that Terramin have restored a link on their website to the minutes on the PIRSA website.

4.	<p>REVIEW OF LEASE/MARP COMPLIANCE STATUS</p> <p>This item is included to show that PIRSA is doing its job as regulator and to communicate any community concerns to both Terramin and the SCCC.</p> <p><u>Report given by Hans Bailiht – Principal Mining Regulator</u></p> <ul style="list-style-type: none"> - Reiterate issues that were raised in an email that was circulated in relation to the non-conformance with the MARP. Firstly the primary risk is to ensure that the pressure from the decant pond is acting only on the double lined area. There is no water seepage to ground as there is still a single liner, but the water level is at 70.31m, and the double liner only goes to 67.9m. The second risk is related to the amount of water at the moment, which is not providing the correct density of tailings. The storage is not an issue as the dam was designed for no tailings to go back underground, but they are being used for this. - PIRSA is pleased to see positive progress with the new RO plant, Terramin has been installing a new RO Plant from Dubai, with the capacity to purify 600m³ per day (water will go to STEDS). Water level should be back down to RL 68m by early 2011 (official forecast first quarter 2011). Will need to go lower still in the following year to accommodate for a 1 in 100 year flood. There is no concern about the wall of the TSF as it was designed to be full to the brim. - PIRSA will also be reassessing the rehabilitation liability, and is revisiting the bond. Currently having discussions which will be finalised in a few weeks. There will be an adjustment (increase) to the bond. - PIRSA is currently discussing MARP amendments with Terramin. - There is no further issue with shed doors. A tender was let in July 2010 for shed doors, but none of the suppliers could deliver the whole tender. Have located a company in Port Adelaide who can do it all, they will be providing a final price next week, and work will be completed by the end of September. Also put in place own measures, only one door is to be open at any time. - Revegetation Plan is underway with the initial weed spraying and vermin control. - Drag out onto the main road, all is OK at the moment. There have not been any issues for a long time. Terramin will only need to report by exception in the future on this matter. <p><u>Discussion points:</u></p> <ul style="list-style-type: none"> - Has there been increased production, and is this impacting on the TSF? Terramin is allowed to mine 400,000 tonnes per year; production can be increased as there is a short fall at the moment. It will average out to the standard production rate. There will not be continuous mining at the higher rate. Earlier the mine was producing more water than they could deal with, but this is now back in check, and they are now only dealing with water accumulated over the last 12 months
5.	<p>REVIEW OF MINING OPERATIONS FOR NEXT 3 MONTHS</p> <p>Please see Terramin PowerPoint presentation, spoken to by Anya Hart.</p> <p><u>5.1 Safety update, incidents and activities in the last quarter</u></p>

- OHS Superintendent came on board in June, Ray Greenfield. Registered Nurse with 20 years background in health and safety industry.
- There are internal investigations for every incident to prevent recurrence.
- Breathalysers are used to test all staff during site shut downs, there is a zero tolerance policy, there have been no incidents during last two shut downs.

5.2 Role of Stephen Marlow within Terramin

- Stephen will support Anya with community engagement in a part time role. He will be working from Adelaide and the Angas Mine Site. His work will include the advertising and the community newsletter which will be sent out every few months, he will also assist with wording publications for everyday people. He will move forward with the Community Engagement Plan, focussing on priorities and success stories. He will also play a role providing a communication flow both ways between Terramin and the community. The SCCC committee will remain the main keystone for Terramin's community engagement program.
- Is Terramin measuring what it is sourcing from local supply? Can do this with the accounting system, there will be an updated tendering system which will look at this issue, and this will be being reviewed by the Terramin's purchasing staff.

5.3 Newsletter and Communications

- There will be advertisements in papers every two months to update the public on recent activities.
- Feedback provided that the last newsletter was a bit boring with all the graphs on the front, needs more photos and people focus.
- What is the current distribution? They are available through businesses in town, by post, or people can register on the website to receive emails. Stephen is seeking feedback from the Committee as to the best means for circulation. It is thought that a bulk mail out by Australia post may be a waste of money and be an annoyance to many local people.

5.4 Update on Exploration in the District (spoken to by Bob Singer)

Please refer to the PowerPoint presentation, Fleurieu Regulative Exploration August 2010.

- Terramin have spent \$2million on exploration this year, well above PIRSA's required expenditure of \$350,000.
- Currently looking at 4 sites in the Monarto district.
- VTEM survey was conducted with a helicopter flying 30m above the ground. This process identified some targets; ground-truthing will need to occur to rule out water sources, dumps, etc. The process poses no risk to people, including those with pace makers. There was extensive advertising prior to the flights, and they are not allowed to fly over homes. There were a handful of complaints, including Alpacas being spooked.
- The prime targets remain to be lead and zinc on the existing mining lease. They can access these under the existing mining lease, but will need approval from PIRSA if additional tonnage is to be transported to the Angas mine site. Terramin will be upfront about any new mining activity with the

community.

- Landholder waivers would also need to be renewed should any new exploration activity is within 400m of any housing.

5.5 Other issues, including feedback on today's site inspection

- The committee offered a sincere thank you for a very productive site inspection. Congratulations were offered to Terramin for their professionalism in relation to the site management, and the sense of ownership safety and wellbeing within the company, as they are becoming a more mature company.
- It seemed vehicles went into wash facility, but then drove back over contaminated bitumen, between the truck wash and the gate? A street sweeper is brought in once a week to keep the bitumen clean. Clean water is also used for dust suppression on the bitumen.
- What is happening with the backfilling? The underground paste, a backfill of tails with 8% cement, started in May, was stopped and is about to recommence with better quality control. The outflow of tails needs to be >70% solids. Quality of the beaching in the dam allowed the figure to be reviewed downwards. Not able to pump at 70% density, currently pumping at 62-65% solids, however should to be more like 68-70% solids. This can now be done with the introduction of a new piece of equipment (de-watering screen) can potentially pump at up to 80%. In a couple of weeks the new paste system will be turned on at a rate of 4,500m³ per month using 4.5% cement and this will continue to increase. This should tie up some of the moisture that is currently going into the TSF.
- It is noted that Greg Cochrane has moved on.

6. QUARTERLY ENVIRONMENTAL REPORT

Please see Terramin Quarterly Report #15 (April – June 2010), spoken to by Anya Hart.

- Under the MARP, PIRSA Lease Conditions and EPA Licence Conditions there are over 160 parameters. Internal document developed to assist with monitoring compliance. 82% conformance, 5% non-conforming, 9% needs improvement and 4% only apply in certain conditions. Also working to internal KPIs and Australian Standards, AS4801 OHS Systems Compliance.

ACTION: Anya to include a schedule of outstanding issues at the back of the QER to enable the committee to monitor progress

- 3 key areas of non-conformance are the TSF, Dust and Noise.
- Noise monitoring: a new methodology was used in May, modelling site noises to minimise non-site noise, taking into account the sites topography. Exceedences were only recorded on the Western boundary, with spikes at the beginning and end of shifts, probably as a result of vehicle movements. There were some higher readings in the East as a result of winds exceeding 20km/h. Next round will be conducted in the first week of September. The next round of monitoring will include manned monitoring points, and there will be better data to act on by the next meeting.

ACTION: Noise monitoring to be included as a separate agenda item at the next meeting

	<ul style="list-style-type: none"> - Dust monitoring: All of the results from the Hi-Vol samplers were within the required limits. With the deposition gauges, there were 4 results above acceptable limits in April, but this dropped off in wetter months of May and June. Now have Dust and Lead Dust Investigations Report from Tonkin. - ACTION: Change the vertical scale of graphs so they are easier to read - Blasting: 169 blasts were conducted in the last quarter. A second blast monitor has been installed adjacent to the residence. The information is being shared with residents. It is noted that it may be perceptions of the repetition or duration of the blasts that is causing concern to community members, rather than the intensity of individual blasts. - Drag out: looks to be mainly from the car park, if at all. Have been taking photos daily, but will now report only by exception. - Recycling: will be reviewing waste management plan for the site, from quantity, quality, internal procedures and service providers. - Odour monitoring: the issue is off-site, and need community input to progress any further, otherwise issue will be closed off formally in writing, as no responses have been received. Anya will have discussion with EPA about progressing the issue further, and if required will contact committee so a member can be a part of the next meeting to progress this issue. - Flora and Fauna: Weed Management Plan is complete. To be presented at the next SCCC meeting. Consultants and sprayers are coming to site next week to consolidate their approach. Some progress has been seen from the aerial seeding of the TSF. Planted 200 tube stock along the west and south fence lines, replacing stock from previous plantings, direct seeding has been done in the area east of the viewing platform. Next week addressing areas, which will be suitable for fumigation for rabbit control. - Community Interactions: improved community feedback format. 14 complaints received. 6 were around the regional helicopter work. 5 were blast related. 2 were reported as blasting but were actually earthquake. 1 was noise. - The SCCC is happy with QER format and amount of detail.
	<p>BREAK 9.05 – 9.20PM</p>

7.	<p>OVERVIEW OF DUST INVESTIGATION AND FOLLOW UP</p> <ul style="list-style-type: none"> - A report has been prepared by Tonkin Consulting. - There has been a regular and seasonal exceedences of lead deposition levels set by EPA to provide an early warning (with an improvement has been seen from first to second summer). Voluntary Environmental Improvement Program was developed and a part of that was a Dust Management Plan. - Total dust and lead dust had the highest concentration at the apron of the concentrate shed, the northern side of the crusher, run of mine stockpile and the mill. The boundary static dust readings were very low (recorded in 10s not 100s/1000s), with the exception of 2 points. Will continue with current measures. - Next step will be the automation of the concentrate shed doors, and working with operational areas to improve internal awareness and procedures. There are safety measures in place for staff with air conditioning and vents. There are also blood tests of the entire workforce every 6 months; the trend is very low compared to allowable limits. - Terramin will comment on the report recommendations once they have had a chance to review the report in detail. At a glance all the recommendations seem reasonable. Terramin will continue to work with the report author Johan Meline. - ACTION: Terramin to come back to the next meeting with their response to the report - The EPA will comment at the next meeting.
8.	<p>REVIEW OF ANGAS MINE WATER BALANCE AND TSF ISSUES</p> <p>Please see Terramin PowerPoint Presentation spoken to by Robert Howie.</p> <ul style="list-style-type: none"> - The Reverse Osmosis (RO) Plant has arrived from Dubai and installation is almost complete. Parsons Brinckerhoff has reissued a compliance forecast. The key achievement of reaching a level <68 RL is looking at being achieved by the 3rd or 4th quarter of 2011. <p>Key Inputs and Assumptions, spoken to by Andrew Hodgekinson, Parsons Brinckerhoff.</p> <ul style="list-style-type: none"> - The TSF was getting fuller and tracking why was a technical challenge. The previous static modelling has provided a pessimistic prediction of 2012 for compliance. - Have now gone to dynamic simulations, running calculations 100,000s times. Much greater engineering has gone into this current modelling. - The new RO recovery assumes 50% off site to council STEDs pond, reducing to 40% as salinity increases. This modelling included variability in rainfall from the last 10 years average for Strathalbyn. It was also factored in that it would be 20% wetter every month. Starting the RO plant at the end of winter, it should be ahead of first target by next winter. Will continue to reduce level past target to provide a buffer to allow for a 1 in 100 year flood. - Veolia Water Services are managing the plant. - The actual trending results will be overlayed on the predictions for reporting against KPIs. RO plant outputs will be key to performance, as the plant will

	<p>be processing 600m³ of clean water per day.</p> <p>Discussion points</p> <ul style="list-style-type: none"> - PIRSA is comfortable with the performance based contract the Terramin has entered into. Happy with the supplier choice, as Veolia has done major RO plants in the Gold Coast and Sydney. If it doesn't play out as planned, PIRSA can request a review and set actions to get it back on track. - Is there capacity to export the processed water? The first priority is to send the water to the council STEDs ponds which has put in a flood marker for tracking free water levels. As a backup Terramin is finalising approval from the EPA to reinject clean RO water into the wells. - In 5 months without the RO plant, we have pulled out 27ML with the current processes, but will be able to pull out 4 times that rate once the RO plant is operating. - Double linear indicator poles on the TSF wall? Yes
9.	<p>NEW REVEGETATION PLAN</p> <ul style="list-style-type: none"> - Forrest area that has been committed to will need to be planted elsewhere, in smaller pockets and more community oriented. <p>ACTION: Come back to next meeting with a proposal how to tackle the issue and the revegetation plan (which will need to include others such as the council).</p>
10.	<p>MINE CLOSURE</p> <p>Formation of a working party.</p> <ul style="list-style-type: none"> - Anne was going to speak with Council's planning department to get this started. In her absence tonight, the issue will be held over to the next meeting. The committee will not let this issue slip much further. The Committee is asked to think about who would be best to sit on this group. It will consist of Council Planners, Terramin representative and local community members. - Trent to take up with Anne/Council and report back on the outcome at the next SCCC meeting.
11.	<p>OTHER BUSINESS</p> <p>Feedback on potential new membership of SCCC</p> <ul style="list-style-type: none"> - The names have been sent to PIRSA and the relevant Minister for approval. Whilst the group is in no hurry for new members as there are plenty at the moment to keep functioning, it will be good to get new member on board so that there can be a transition in order to keep a body of knowledge that allows the good discussions that currently take place. - Why has it taken over a year? It took 6 months to get suggestions of new members, and the processes take time. PIRSA to follow up. <p>Recent press coverage and response</p> <ul style="list-style-type: none"> - The chair received a call from the Courier enquiring what had happened with the TSF since the last article was published 12 months ago. Chair provided background on the issue, but was loosely quoted in the article and was not

given the opportunity to proof it before it went to print, as requested. The article was ok, but the opinion piece was not, suggesting innuendo towards this committee, which the chair took exception to. Chose not to respond as didn't want to escalate the issue, there has been no further correspondence. The media has chosen not to come to meetings or visit the website for up to date information. **ACTION: Terramin to send a scan of the full article to the group members.**

Round table discussion – issues not already raised

- Good to see that there was an advertisement in local papers about the meeting. Questions can be tabled at notice from the gallery.
- Display cabinet at the mine viewing platform need to be updated.
- Gearbox noise (screaming), gearbox was changed in June, as the old one is being refurbished. A decision will be made about if and when to change it back, as the down time will need to be taken into consideration. Shrouding will be put in place if needed. Terramin have been open about this problem. The noise is only an issue in certain conditions. People should contact Terramin directly when they hear it, so that they know when it is happening, this is the best way to address any concerns.
- Caveat on the Title of Terramin's TSF property. Terramin's Lawyer is talking with the Land Titles Office, need to know what the purpose of the agreement is and put the correct legal framework around it, to achieve the desired outcome. **ACTION: Follow up this issue at the next meeting.**
- There is a new Mining Act amendment that will come into effect soon. It is thought that there will be a transition period for existing mines.
- Should Stephen have a regular agenda item to report back on community issues at meetings? Or a seat at the table? Whilst Stephen intends to be at all meetings, he plays a supportive role to Anya in the first instance.
- Investor Relations Manager, Ian McAleese is happy to take calls also.
- Reminder that there is website links to all minutes and presentations.
- Thanks to all in attendance.

12.

FUTURE MEETINGS

The next meeting will be held on Thursday 18 November 2010 at the Senior Citizens Hall @ 7.00pm.

Frequencies of SCCC meetings are once every three months on the third Thursday of the month.

Thursday 17 February 2011

Thursday 19 May 2011

Thursday 18 August 2011

13.

MEETING CLOSE

Meeting closed 10.40pm.