

DISCUSSION AGENDA & MINUTES

PREPARED FOR: Community Consultation Group Meeting

Attendees		Apologies
Ken Norman (KN) Geoff Fairhead (GF) Fiona Philson (FP) Ian Fitzgerald (IF) Pamela Makar (PM) Wayne Williams (WW) Belinda McHarg (BM) Sue Leighton (SL) Hugh Trivett (HT) Ian Dickinson (ID)		Ben Ratz (BR) (alternate) Darren Kennedy (DK) (alternate)
Date	Time	Location
08.11.18	08:00	Galaxy Exploration Office – Ravensthorpe

1. Welcome

- Ken Norman opened the meeting

2. Apologies

- Ben Ratz (BR) (alternate)
- Darren Kennedy (DK) (alternate)

3. Declaration of conflict of interest

- No conflicts of interest were identified by CCG members.

4. Confirmation of the previous meeting minutes

- November CCG meeting – All members confirmed previous meeting minutes.

5. Actions items

- Previous meeting actions that have been closed will remain on the below list for succeeding meeting before being removed.
- Actions below summarise commitments made during the meeting.

Date Raised	No.	Action required	Who	Date due
8/11/2018	22	Provide feedback on the stage 1 and 2 road diversion. Include information on the following concerns raised by community members: - Will there be additional signage directing traffic from the main highway towards Floater road? There are reports of farm deliveries getting lost. - Will a slip lane or a bulge be built in the intersection of the mine access road and the Newdegate-Ravensthorpe Road? - Will the temporary diversion road be rated as RAV 7	IF/Galaxy	Closed
8/11/2018	23	Contact Nathan McQuoid regarding the hybrid trees EOFR	Galaxy	Closed
8/11/2018	24	Provide CCG with information on the potential health effects of ingesting Mica.	Galaxy	Closed
8/11/2018	25	SL to contact Mr Tucker for GPS Coordinates of the Black Cockatoo nesting sites at Cocanarup Timber Reserve. PM will then forward the coordinates to Exploration to find out if the locations are within current tenements owned by Galaxy.	Galaxy	Closed
13/12/18	26	Send meeting minutes to SoR for addition to SoR web page.	Galaxy/SoR	20/01/18
13/12/18	27	Forward findings and referenced material on the health effects of Mica to CCG.	Galaxy	20/01/18
13/12/18	29	Find out response time from the Pitch your Project	Galaxy	20/01/18
13/12/18	30	Blast guard closure times Contact Blast controller to determine if a vehicle waiting at blast guard is able to pass once closure occurs.	Galaxy	20/01/18

Outcomes of closed actions;

22) Signage has been installed at intersection of Ravensthorpe-Newdegate Road and the Mine Access Road to direct traffic through the Floater Road diversion. Designs for the stage 2 road diversion are currently being reviewed by Main Roads, SoR and Galaxy.

- a. Throughout the Harvest Galaxy have been monitoring the intersection joining Ravensthorpe-Newdegate Road. There were no significant safety related incidents during the harvest period. KN stated that this was a poor harvest season, therefore the volume of traffic was less than previous years and believes under normal harvest conditions the intersection would be a lot busier.

- b. The stage 1 temporary road was inspected by Main Roads and satisfied the Rav 7 rating requirements
- 23) Nathan McQuoid was contacted to discuss location of the hybrid trees and the germination of seeds. PM completed an on site inspection and confirmed that the hybrid trees are still standing. If the trees are within the development envelope of the creek diversion Galaxy will collect seeds to investigate if they are able to be germinated when they have been pushed over. If viable, the seed collected will be used within the rehabilitation works or spread in the surrounding vegetation.
- 24) WW consulted the Mt Cattlin consultant occupational hygienist regarding the potential health affects of ingesting Mica.
 - a. There is no evidence on a relationship between the ingestion of Mica (through drinking or eating) and long-term health effects. Mica is used in many things, one of these items is makeup.
 - b. The specific quantities of mica and silica captured during the Hi Vol sampling period cannot be calculated because the filters contain glass (silica) particles. Specific quantities of respirable airborne Mica and Silica are sampled via a personal monitor placed at the Hi Vol location in accordance with Galaxy's hygiene monitoring program.
 - c. GF mentioned that the mica and silica present on his property would be reduced dramatically with the rehabilitation of the Waste Rock Landform (WRL), this should be seen as a priority by Galaxy. HT confirmed that the design for the rehabilitation of the southern face of the WRL is completed and reshaping was about to commence.
 - d. ID - I was the one who brought this up at the last meeting and it was concerning ingesting the water from water tanks that contained mica. GF tested his water in the rainwater tank and was surprised that the water came back as no harmful substances detected.
 - i. GF- The dust does irritate the skin though.
 - ii. SL- Guildford does not allow rain tanks with no filters due to the flight paths overhead and the pollution in the air.
- 25) Tenements belong to Kings resources. Galaxy has no intent or ability to work outside their tenements.

6. Administrative items

- CCG members can invest in GXY shares with no conflict of interest.

7. Galaxy progress report

- **Mt Cattlin Processing Plant upgrade:**
 - Mondium leaves Monday 17 December at the completion of the Yield optimization Project (YOP). The next stage of the process will be commissioning, this could pose some challenges as the processing circuit has gone from one complex unit to four. Fine tuning of these units is required, the biggest issue which will need to be overcome is the water mass balance. Testing is being completed today on the YOP.
- **Mining**
 - The two pits EOFR are progressing well. The 2SE and 1F pits contain ore with good grade, this is taking the pressure off the 2SW pit.
 - The oxidized material is being used on the completion of the sound bund on the southern side of the pits. The challenges overcome to guarantee the mining of these two pits occurred on schedule would not have been possible without the support of the community, thank you.
- **Dust and noise monitoring results provided in a report:**

- **Dust monitoring-** New results have been received in for the Dust Deposition Gauges only. The only site to exceed the 4 g/m²/month in November is the control site situated in an open paddock 20 km from Galaxy mine site.

Operational Monitors - Insoluble Matter g/m² Month

by DDG No.

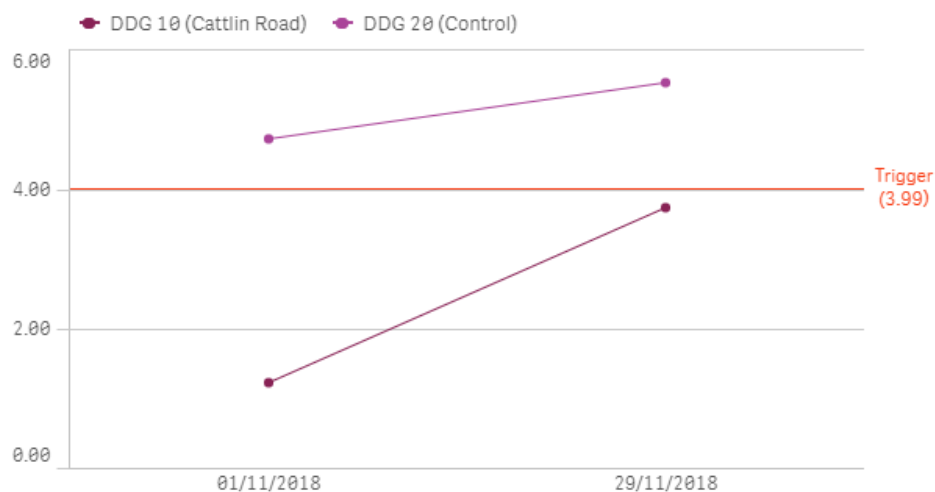


Figure 1 - Dust deposition results shown for the residential site on Cattlin road and the control site. The solid red line indicates the NSW impact assessment criteria for deposited dust of 4 g/m²/month. The control monitor DDG20, which is not influenced by mine dust, exceeded this trigger level with a reading of 4.7 g/m²/month in October and again in November with 5.5 g/m²/month. DDG10 located on a residential property 2.5 km away from the mine site did not exceed the trigger level.

Deposited dust in the gauges measures dust from all directions, sources activities undertaken in the area. This may include farming activities or wind-blown dust (erosion) from cleared areas etc.

Community Monitors - Insoluble Matter g/m² Month

by DDG No.

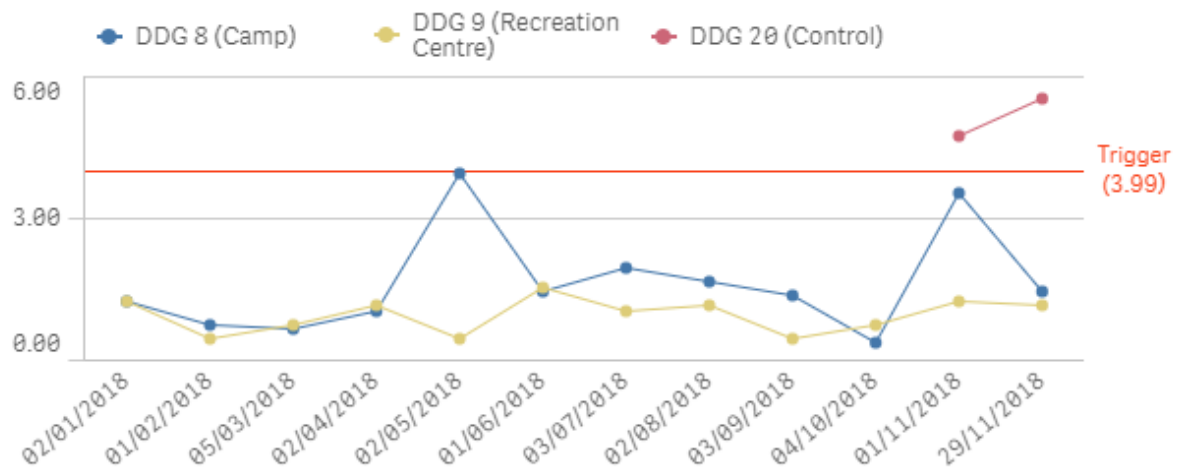


Figure 2 - Dust deposition results shown for the town site dust deposition gauges and the control site. The solid red line indicates the NSW impact assessment criteria for deposited dust of 4 g/m²/month. This level has not been exceeded for any in town monitors. The control monitor DDG20, which is not influenced by mine dust, exceeded this trigger level with a reading of 4.7 g/m²/month in October and again in November with 5.5 g/m²/month.

Deposited dust in the gauges measures dust from all directions, sources activities undertaken in the area. This may include farming activities or wind-blown dust (erosion) from cleared areas etc.

- **Noise monitoring-** occurred on the 14-15th November, there were no non-compliances identified.

8. Community engagement activities

- Pitch your project- (BM) What is the expected timeframe for a response on the pitch your project, people who attended would like to know when this is expected to be released.
- IF- Thank you for Galaxy's contribution to the Senior's Christmas lunch.
- BM- Thank you Galaxy for offering the use of operator and crane for the assembly of the giant lollypop.

9. Community issues

- KN- Received a response back from the Hon Bill Johnston MLA Minister of Mines and Petroleum: Commerce and Industrial Relations: Electoral Affairs: Asian Engagement, regarding the Galaxy Mine investigation – Dust monitoring. **Outcome;** In the recently conducted DMIRS inspection (17th Oct 2018) it was found that additional monitoring was occurring, through the DDG's and Hi Vol Sampler situated in Ravensthorpe and it is understood that Galaxy will communicate these results to the CCG.

10. Other Business

- Galaxy can send the Shire of Ravensthorpe the CCG Minutes to add to SoR webpage until the Galaxy Community page is operational.
- ID- Damage to houses and blasting, is Galaxy going to increase size and volume of blasting?

- HT- Due to the strip ratio we will have increased waste removed from the pits, the ore removed will be constant for 3-4 years. This will see an increase in frequency of blasting, but the size and volume will not increase.

Each blast is designed so every hole is blasted on its own, milliseconds apart from the surrounding holes. This ensures a blast will not send out a large shock wave that is above the trigger level that can damage houses. Each hole is blasted separately, and each hole will emit its own individual shock wave which is well below the trigger level for vibration damage.

Every building has its own Residency Frequency Rate, some are higher than others, so every house will respond differently. Galaxy also monitors vibrations from the blasts, noise vibration are not near limits to cause damage. I am happy to talk to individuals about this, the science behind blasting is well researched.

- KN- Road closure due to blasting.
 - HT- the day in question had two blast occur in succession and the truck driver was required to wait at the Blast Guard for an hour. Galaxy updated the blast exclusion zone process to stop the blast to let the grain trucks through. The blast guard is now required to contact the blast controller, provide information on where the vehicle is wanting to enter and exit, gaining approval from the Blast controller. This will allow the vehicle to passthrough the barricaded area safely and in a controlled manner, this would not be approved if checks are complete and the blast is about to happen. The times the blast guard closes the road could also be reduced to 15-20 minutes.
 - WW - Text messages will still include closure times.
- WW - A new waste dump is planned for north of the TSF. We are going through the consultation process now and it will be submitted for approval soon. This is required as extra ore resources have been found extending beyond current pit footprints, meaning there is more waste material needing to be disposed of.
- GF - If Galaxy's concept is to decrease Fly in fly out what can/is Galaxy doing to help bring family's into Ravensthorpe? Families moving in will see an increase in spending in the local community. Having another 10 to 20 families come to town would make Ravensthorpe more sustainable. As Ravensthorpe is a blackspot area for bank financing having assistance for a house deposit would assist attracting people to town.
 - HT - Galaxy's primary objective is for people to live local, but this is a struggle to sell to new employees. We have taken potential employees who show interest in living local around the sites this area has to offer.

All but two managers at Galaxy live locally and nonprofessional positions have a higher rate of local employment. Galaxy also provides a subsidy on top of the wages for people who choose to live locally. The choice for an individual or family to purchase a house is a tough decision to make when coming to work in a new location.
 - IF - The Shires of Ravensthorpe, Albany, and Esperance are working together with FQM to attract people to the local area which will have an overall benefit to this region.
 - KN - Having employment opportunities for spouses would also be a good incentive. Ravensthorpe is a small country town struggling to keep numbers.
 - HT - FQM and ACH are starting up and have big plans to benefit locals in the area.
 - GF – I approached Galaxy regarding rental of some properties and was told they would not be considered due to not having air conditioners in every bedroom.
 - SL- Hopetoun daycare has had 12 new families listed.

11. Next meeting

- Meetings are scheduled to occur the second Thursday of the month at 8am.
- The next scheduled meeting will be held on the 14th of March 2018, though one will be held prior if required.

12. Close