

# Agenda



**Prepared for:** Community Consultation Group Meeting  
**Location:** Galaxy Exploration Office - Ravensthorpe  
**Date:** 12<sup>th</sup> March 2020  
**Time:** 08:00 AWST

Attendees		Apologies	
Pamela Makar (PM) Keith Muller (KM) Kim Bennett (KB) Geoff Fairhead (GF) Ian Dickinson (ID)		Fiona Philson (FP) Gavin Pollock (GP) Ken Norman (KN) Graham Steel (GS) (Alternate for GP) Sue Leighton (SL)	
Agenda Items		Responsible	
1. Welcome		Ian Dickinson (ID)	
2. Apologies			
3. Declaration of conflict of Interest			
4. Confirmation of the previous meeting minutes.			
5. Action Items and Outcomes			
6. Administrative Items			
7. Community Engagement Activities			
8. Other Business			
9. Next Meeting			
10. Close			

# Minutes of Meeting

## 1. WELCOME

- Ian Dickinson (ID) opened the meeting.

## 2. APOLOGIES

- Fiona Philson (FP)
- Gavin Pollock (GP)
- Ken Norman (KN)
- Graham Steel (GS) (Alternate for GP)
- Sue Leighton (SL)

## 3. DECLARATION OF CONFLICT OF INTEREST

- No conflicts of interest were identified by CCG members.

## 4. CONFIRMATION OF THE PREVIOUS MEETING MINUTES

- January 2020 CCG meeting – All members confirmed previous meeting minutes.

# Minutes of Meeting



## 5. ACTIONS ITEMS AND OUTCOMES

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

Date Raised	No.	Action required	Who	Date due	Action Outcomes
12/09/2019	43	Organise a meeting with key stakeholders (RAIN, SoR) regarding a discussion on Post Mining Land Use and rehabilitation of the waste dump and in pit TSF.	Galaxy	Closed 12/03/20	Organise a community meeting for end of February/ Start of March.
14/11/19	51	Organize school visit for Ravensthorpe school	Galaxy/ RDHS		Contact has been made to confirm if school visit is still required and timeframe this would be likely to occur. Covid-19 has delayed school visit.
30/01/20	52	Organise display cabinets to be made permanently available for flower show. (call ravi nickel and ACH to see if this can become a combined donation). Ideally 3 cabinets would be needed.	GXY	Closed	Arrived and ready for delivery.
30/01/20	53	Distribute Blast Management Plan for community to view.	GXY	Closed 04/03/2020	Emailed to CCG
30/01/20	54	Organise mine site tour to coincide with flower show.	GXY		
30/01/20	55	CCG members read through first edition of the 1/4ly report to give feed back.	CCG Members	Closed	1/4ly update and being formatted for community viewing.
30/01/20	56	RHS and SOR to confirm if they want Galaxy to carry out Phosphite injections to assist in combating likely effects of Ppseudocryptogea infection. These injections will not combat other ills such as age of the tree.	RHS/SOR		
12/03/20	57	DDG- Investigate options on preventing tampering with DDG's Cops notices school information session- on importance of DDG	GXY		

# Minutes of Meeting



Date Raised	No.	Action required	Who	Date due	Action Outcomes
		community days / night make a demonstration monitor to show people Article in the Spirit- accurate data collection.			
12/03/20	58	Photos of before and after ore from optical sorter.	GXY		
12/03/20	59	Add a section for closure and rehab to the CCG minutes context.	GXY		

## 6. ADMINISTRATIVE ITEMS

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

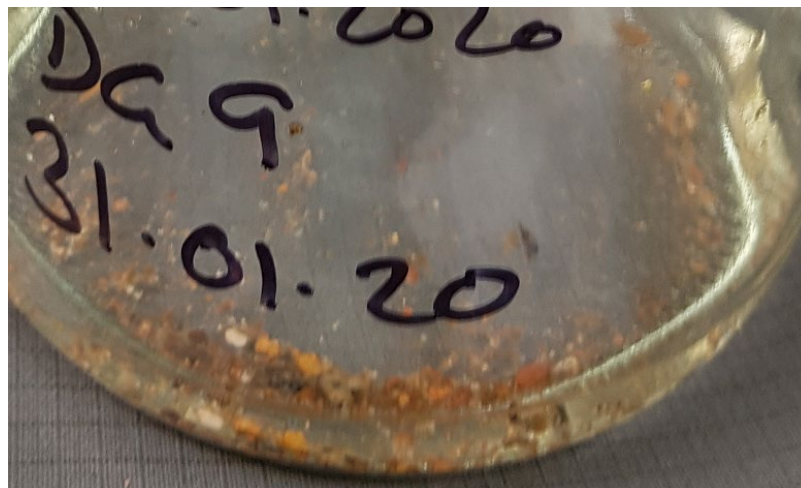
### 6.1 Galaxy Progress Report Dust monitoring results:

#### Dust monitoring:

New results for dust monitoring have been received for both the Dust Deposition Gauges (DDG's) and Hi Vol sampler.

DDG's- (measures deposited dust):

The dust deposition gauges allow Galaxy to assess potential dust nuisance and amenity impacts upon the local community. As there are no relevant regulatory criteria in Western Australia for acceptable dust deposition levels, the dust deposition criteria adopted by the NSW EPA (2017) have been applied as Galaxy's performance target. Recent results for the Community Dust Deposition Gauges for January and February have seen returned assay results below 4 grams/m<sup>2</sup>/month (ash Content) for DDG08, but DDG9 has had two elevated results above 4 grams/m<sup>2</sup>/month (ash Content). The January result was expectedly high due to the material found within the monitor on change out at the end of the month. Contained within DDG9 sample was small rocks/sand which under normal conditions would never become airborne, see Figure 1. Weather conditions indicate wind direction blowing away from Ravensthorpe, with most of the wind ranging between E to WSW, see Figure 2. The conclusion on review of all factors is that the January DDG9 elevated assay results is due to material added from close proximity and not mining activities.



*Figure 1: The image shows the material contained within DDG9 for January. The material photographed in the bottom of the bottle is not just airborne material, but fine gravely material, which can be found around the base of the monitor. This material will account for the returned elevated assay result, an inaccurate reading that provides data that cannot be relied upon or trusted.*

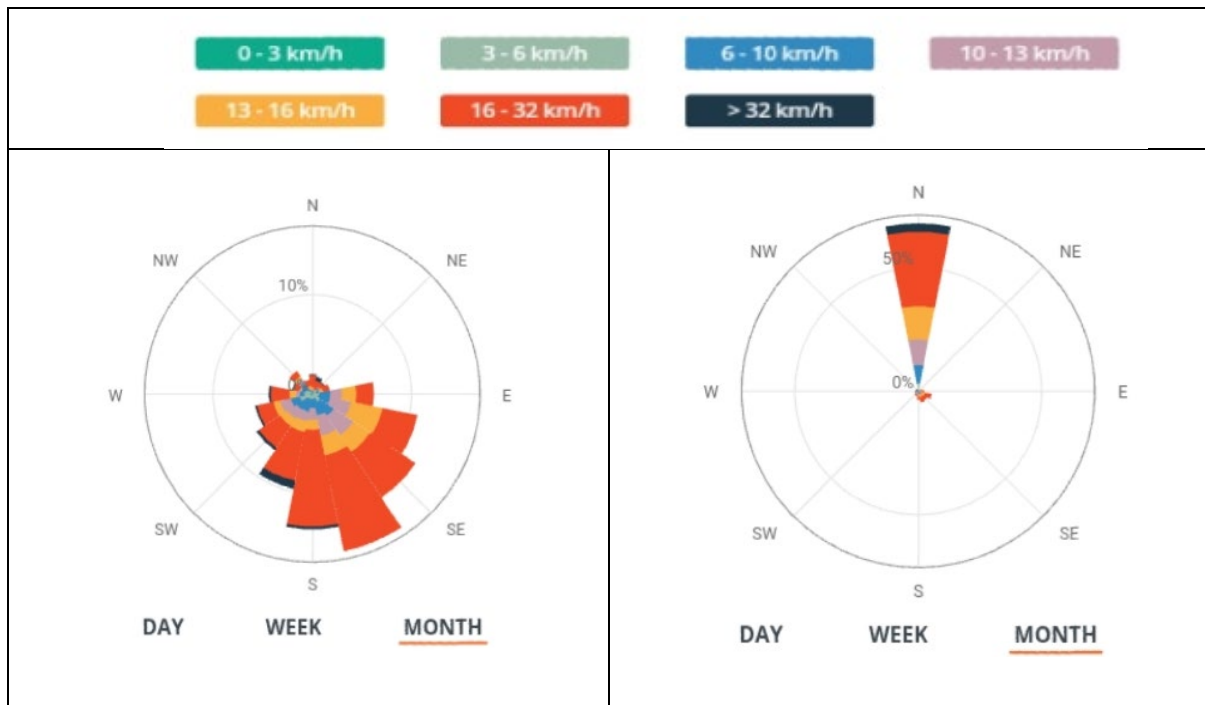


Figure 2: Mt Cattlin January wind rose, showing dominant wind directions and wind speeds.

Figure 3: Mt Cattlin February wind rose, showing dominant wind directions and wind speeds.

The February result at DDG9, though lower than January was also above 4 grams/m<sup>2</sup>/month (ash Content), with a return assay of 8.50 grams/m<sup>2</sup>/month (ash Content) see Figure 5. Due to wind direction and the lower result returned at DDG08, 0.30 grams/m<sup>2</sup>/month (ash Content), it is concluded that the material collected in DDG9 relates to a more local source such as the gravel carpark at the entrance of the carpark, located north of DDG9. The control DDG (DDG20) has been included as a reference site, located 20km NE of the Mt Cattlin Mine Site in a farmer's paddock and often returns the highest results. DDG8 and DDG9 have been labeled to inform the community of what they are. Galaxy is investigating the option of removing this monitor and identifying another location that will return more accurate information.

### Community Monitors - Insoluble Matter g/m<sup>2</sup>/Month

by DDG No.

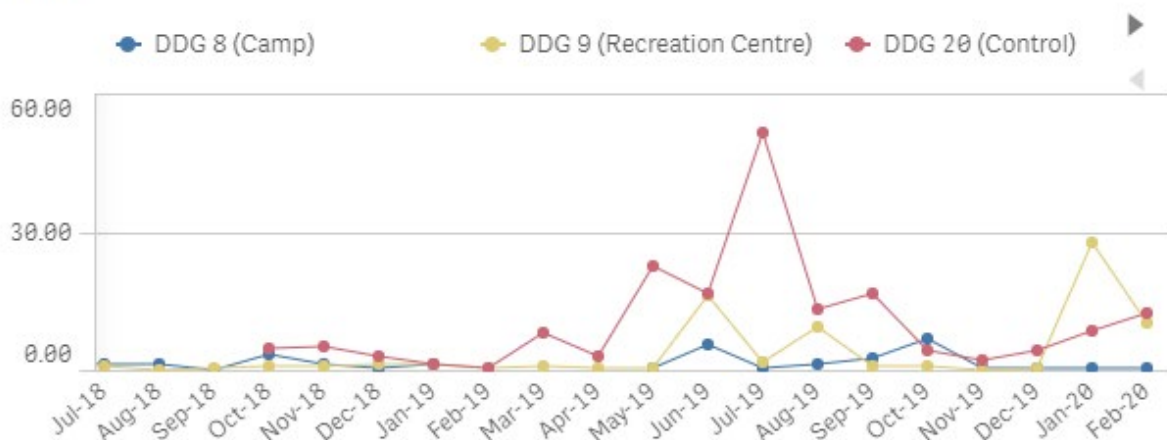


Figure 4: Insoluble matter is everything collected in the gauge (<1mm) that is retained on the filter as per AS3580.10.1 which is the Australian Standard the sampling and analysis is conducted to. Insoluble matter deposited at the community monitors DDG8 and DDG9 and the control site DDG20.

## Community Monitors - Ash Content g/m<sup>2</sup>/Month

by DDG No.

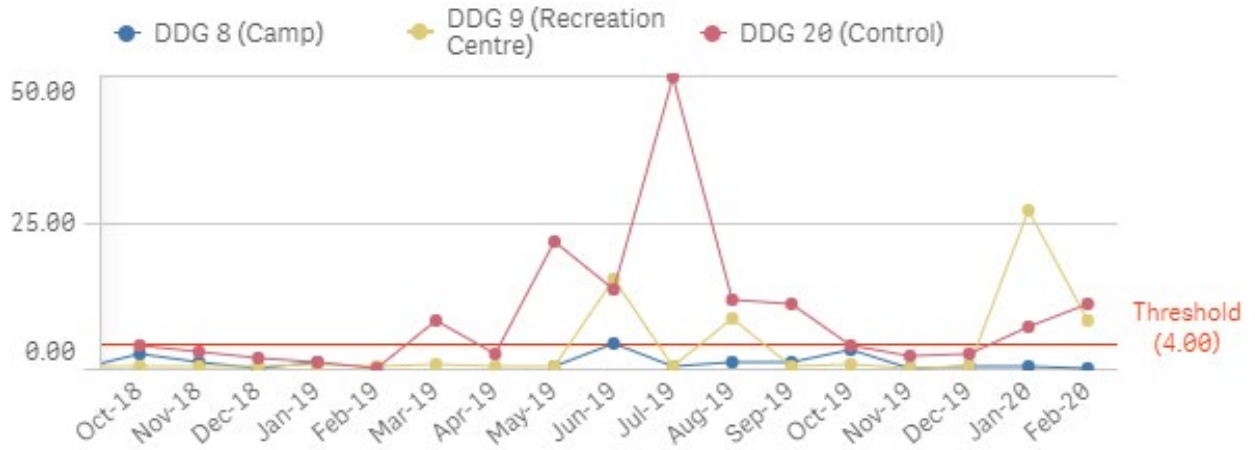


Figure 5: After the Insoluble result are obtained the filter is then ashed at 850 degrees and this produces the ash result. The ash result is essentially only the heavy mineral matter with any organic matter or volatiles reported as combustible.

The overall monthly average for both DDG8 is below the performance target of 4 g/m<sup>2</sup>/month. DDG9 has shown elevated results, from local sources closer to DDG9 and not mining activities in January.

The dates recorded on the horizontal axis indicate the month the sample was collected; results are calculated over the recorded sampling periods to give results in gm/m<sup>2</sup>/month. The control DDG (DDG20) has been included as a reference, however this DDG is located 20km NE of the Mt Cattlin Mine Site in a farmer's paddock. DDG20 has exceeded the performance target consistently throughout the reporting year, with no influence from Mt Cattlin mine.

Dust gauges are designed, positioned and monitored to ensure compliance with AS/NZ Standard, AS3580.

### Hi Vol Sampler- (measures respirable dust)

The below graphs show assay results for the Hi Vol sampler for PM10 and selected metals. The Hi-Vol is set up at a residential house on Kingsmill St within Ravensthorpe townsite.

- PM10:

The Hi Vol sampling for PM10 allows Galaxy to assess the potential for adverse effects on human health in the local community from exposure to fine particulate matter. Galaxy uses nationally recognized ambient air quality standards for various common air pollutants, including PM10 as a trigger level. PM10 has remained below the threshold for the 24hr standard, see Figure 6.

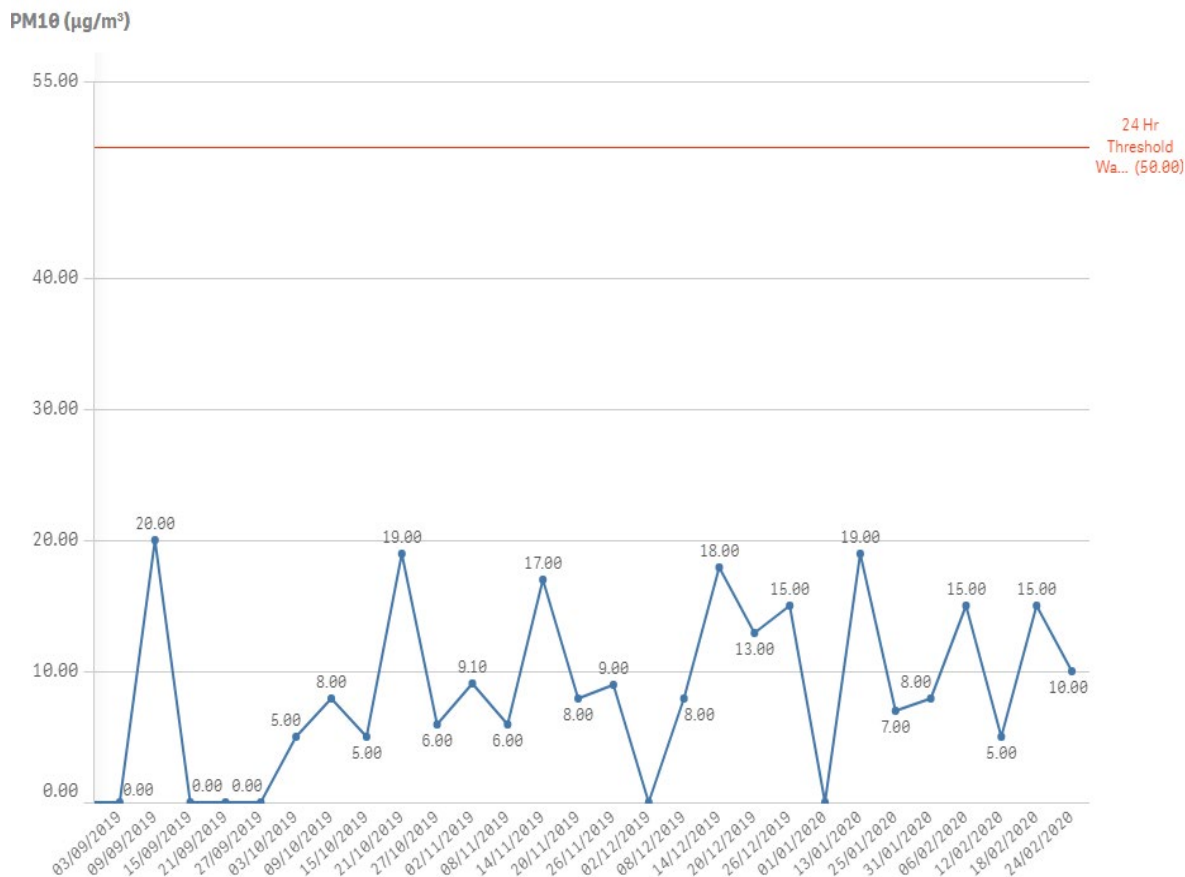


Figure 6 Hi Vol sampling results for PM10 (respirable dust)- 24 hr standard. Deposited dust has remained below the threshold on all sampling days. Where 0 are shown results are below the labs Detection Limit.

- Metals:

The Annual Concentration Trigger threshold (health values) used by Galaxy have been recommended by Environmental Technologies & Analytics (ETA). The values were derived from health guidelines published by the World Health Organisation (WHO) and the United States Environment Protection Agency (USEPA), which differ substantially in some cases. Galaxy have used the values from these guidelines as a source to set the companies ‘annual trigger threshold’. If results returned are above the annual trigger threshold a more detailed assessment will be completed. Trigger thresholds are derived for longer-term exposure (life- time exposure), not short-term exposure. Metals tested for by the Hi Vol sampling program include Beryllium, Cadmium, Manganese, and Lithium. A full year of sampling has been completed, allowing Galaxy to utilize the annual trigger threshold. An annual review conducted by ETA of all dust monitoring results was undertaken for the 2019 Annual Environmental Report. In this report recommendations have been made to cease monitoring for the analytes which continuously came in below the Limit of Reporting (LoR).



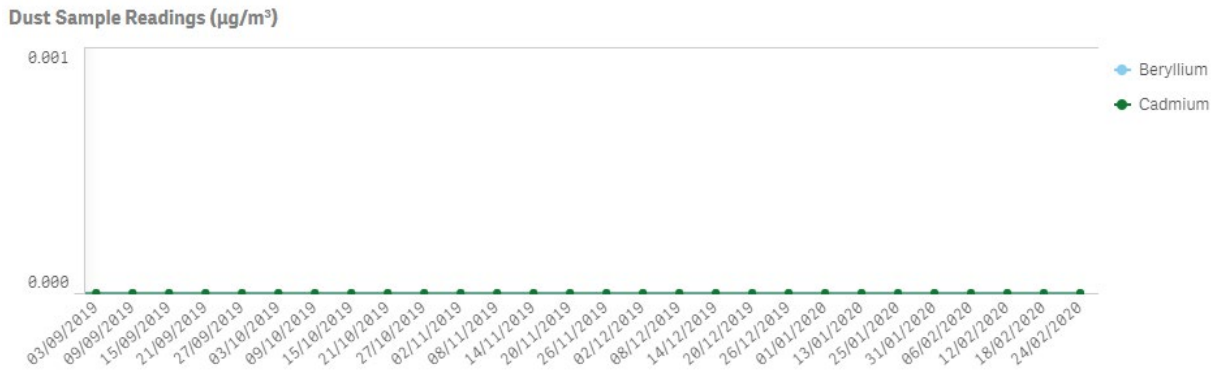


Figure 7 Hi-Vol sampling results for Beryllium, Cadmium and Hexavalent chromium (respirable dust). Where 0 is shown results are below the labs Limit of Reporting.

All recent monitoring results show that both Beryllium and Cadmium remained below their trigger threshold of 0.000400 µg/m<sup>2</sup>, 0.0006 µg/m<sup>2</sup> and 0.004 µg/m<sup>2</sup> respectively.

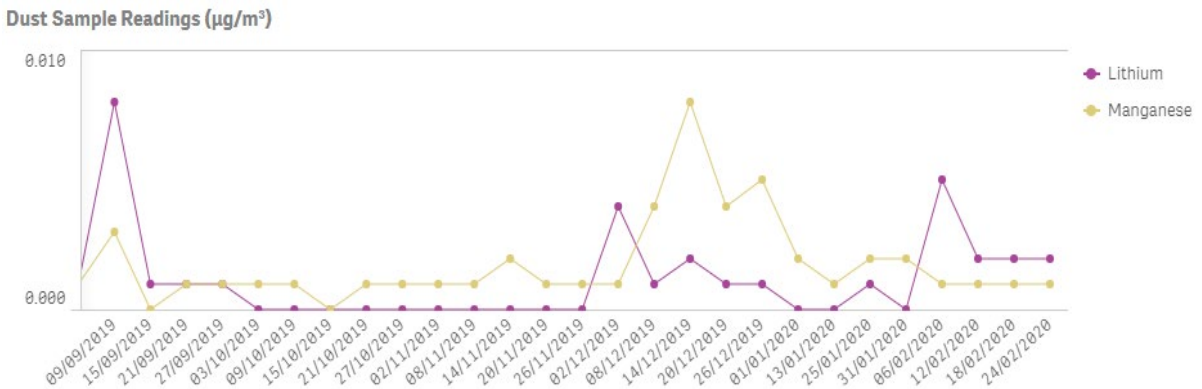


Figure 8 Hi-Vol sampling results for Lithium and Manganese (respirable dust). Where 0 is shown results are below the labs Limit of Reporting.

All monitoring results show that both Lithium and Manganese remain below the trigger threshold of 0.20 µg/m<sup>2</sup> and 0.05 µg/m<sup>2</sup>, respectively.

## 7. COMMUNITY ENGAGEMENT ACTIVITIES

- KB- How does Pitch your Project work, is it just for the Ravensthorpe community or for Hopetoun also?  
We are not fully aware of who Pitch your Project is run by or from where.
- o KM- A notice of “pitch your project” is placed in October to allow any not for profit organisations or community groups within Ravensthorpe and Hopetoun that would like to seek funding for a particular project to apply through the application form.

All submitted applications are run by a panel, who will determine the merit of a project on a scoring matrix that aligns with Galaxy's CSR strategy focusing on our social responsibility to ensure the company is working towards a more sustainable future.

The 2019-20 budget is not yet fully utilised and we do accept requests throughout the year however it is encouraged that everyone submit their application during the "Pitch your Project" application time in October – December of each year. In January Galaxy review and reward the funding. If Galaxy still has funding in the budget this can be used later for projects which Galaxy want to support, but due to third party influence is unable to be distributed in the allocated year. An example of this is for solar energy panels, Horizon's current power grid is not able to handle the power fluctuations solar panels would add to the grid, so money not spent would be put aside for later use on battery storage so the solar panels added would also be able to contain back up storage and not impact the power grid. More clarity if required can be sought through emailing [support.mtcattlin@gxy.com](mailto:support.mtcattlin@gxy.com), the pitch your project application form is attached.

- JF- Getting the funding is one thing but we also need to ensure we have knowledge of who can do the work, so spending is allocated accordingly. There are options to use community workers/ volunteers that could give the support to these groups to see the project completed on time and within the required budget. Large projects need to have all of this thought out prior to asking for funding as they need to know how much it all costs. Having the ability to utilize people who need to work for the dole or required to carry out community service to complete projects could make projects more affordable.
- ID- The Hopetoun skate park is a big success and having one here in Ravensthorpe would be fantastic for the kids, would this be something Galaxy would help fund?
  - o KM- If it was put in as a Pitch your Project funding request it would be considered along with other proposals for that year, but this is something Galaxy would consider to fund.
- KB- If a funding request was put forward to fund science week would that be approve.
  - o KM- Yes this would be the type of thing Galaxy would support as it adds value to the community by education the children.

## 7.1 Community issues Raised

### Dust

- KM- The new approved blast management plan has new conditions set for when blasting will not occur under the influence of weather, these include:
  - o Wind speed 20-40 km/h: Blasting can take place depending on wind direction. Ie; not during northerly or north westerly winds.
  - o Wind speeds greater than 40 Km/hr: No blasting in any direction.

- KM- DDG's are put in place to collect accurate data of airborne dust in the local area. Interfering with these gauges will give false readings and inaccurate data unable to be relied on. On investigation of high results and interpretation of all information we can identify when an elevated reading from a Dust Deposition Monitor is not related to mining activities.

## Optical Sorter

KM- On the 27<sup>th</sup> of Feb we ran the first trial of contaminated ore through the optical sorter and it proved to be a success. The below photos show the ore prior to and after going through the optical sorter.

**After optical sorting- Reject Material**



**After optical sorting- Product Material**



## Rehabilitation of the Waste Rock Landform

- KB- Are you going to re-ripe the profile prior to seeding the slopes, this is able to be combined with a ripper/seeder attachment that can be connected to the dozer.
  - o KM- This is something that we will be able to consider prior to seeding the slopes requiring rehabilitation.
- KB- Can we get a section in these minutes to cover rehab and closure?
  - o KM- Yes, we can do that
- KB- Has the mine Closure plan been approved yet/
  - o KM- No not yet, there has been a delay with the mining proposal it was submitted with, Approval will not be gained until the mining proposal has been approved. The delay is related to a geotechnical issue that requires more information to be supplied relating to the embankment's stability between the in-pit TSF and the new pit development proposed.

## Floater Road Diversion

KM- The outcome of the meeting held by the SoR and the Ravensthorpe Northern community is that the bypass road will be bituminized as **originally** offered by Galaxy. Floater roads reinstatement will be for LV access only. If

Galaxy goes into closure for more than 3months, Floater road (LV) access will be reinstated.

## Covid-19

- KB- What steps are Galaxy taking to limit exposure of Covid-19 to this area.
  - o KM- We are constantly staying abreast of the latest news and keeping in contact with both the Shire and FMG for a combined stance against Covid-19. Measures Galaxy have put in place include but are not limited to:
    - Banned international travel
    - Ensuring quarantine measures of employees returning from high risk countries are undertaken prior to traveling to Mt Cattlin.
    - Running all employees through a questionnaire to flag potential carriers by identifying travel, contact, symptoms, prior to allowing access. Placing people of concern on quarantine.
    - Social distancing
    - Allowing work from home
    - Potential restriction on interstate travel
    - Palace hotel closed to the public/ enhanced hygiene measures
    - Cancellation of community events
    - Closure of site to all non-essential personnel
    - Houses will be identified as a quarantine area for confirmed cases as this will be easier to limit interaction between people.

## 24 hr Operation

- KM- 24-hour operation is still going through the approval process and has not as of yet been approved.
  - o JF- how important is getting the nightshift approval with the reduced workforce.
    - KM- Currently it is not that important but overall the approval for nightshift is very important for Galaxy.

## Mobilisation of Lucus

- KM- Lucus has not been fully mobilized yet through we are able to commence mining activities with the equipment that has arrived on site. This has been slowed due to the closure of the roads due to the fires. To ensure transport is able to occur, there has to be the alignment of the SA and WA police escorts and this is not the easiest to re-align. The overall feel from personnel on site is that Lucus is a good company to work for and they have a good management style.

## House inspections

Though there is still discontent around the outcome of the house inspections from members of the community, Galaxy considers the matter closed.

## 8. OTHER BUSINESS

If you would like to join the Mt Cattlin Distribution list for notices and updates please send an email through to [mtcattlin@gxy.com](mailto:mtcattlin@gxy.com).

- ID- Is the material for the turn around circle still available for use for the Hawkes nest site revamp?
  - o KM- Yes, Contact Pamela and she can organise a site visit if we are able, or she can collect a few samples to bring out and show to you off site in line with Covid-19 precautions adhered to.

## 9. NEXT MEETING

Meetings are scheduled to occur on the second Thursday of the month at 8am.

- The next scheduled meeting will be held on the 12<sup>th</sup> May 2020.

## 10. CLOSE

- Meeting closed at 09:30 AM, 12/03/2020

**Attachment:** Application form- Pitch your project