

HUNTER VALLEY OPERATIONS

Hunter Valley Operations (HVO) Community Consultative Committee (CCC) Meeting Wednesday 21 August 2019

Attendance

Chairperson

Dr. Colin Gellatly Independent Chair HVO CCC

Community Representatives

Dr. Neville Hodgkinson Community Representative

Brian Atfield Community Representative

Di Gee Community Representative

David Love Community Representative

Todd Mills Community Representative

Janelle Wenham Community Representative

Michael Wellard Community Representative

Jeannie Hayes Community Representative

Singleton Council

Cr. Hollee Jenkins Council Representative

Company Representatives

Tony Galvin General Manager

Shaun Leary Technical Services Manager

Andrew Speechly Manager Environment and Community

Merri Bartlett Environment & Community Officer

Apologies

Bruce Gould Production Manager

Minutes Sarah Purser

1. Welcome: Housekeeping, Emergency Procedures;

Col welcomed the CCC and Merri ran through evacuation procedures and location of amenities.

Acknowledgement of Traditional Owners; Read by Col

"We acknowledge the traditional owners of the land where we meet today and pay respect to Elders, past, present and future".

2. Apologies; Advised and recorded.

3. Declaration of pecuniary interests/conflicts of interest

Ongoing; Col advised that both he and Sarah are engaged by HVO to provide the roles of independent Chairperson and meeting note taking. Hollee advised that she is engaged by a business that does sub-contract work for companies that work for HVO.

4. Out of Session Correspondence;

3/07/2019 Merri Email advising members about aerial seeding programme

11/07/2019 Merri Draft Minutes from previous meeting on 29 May circulated to members for comment

13/08/2019 Merri Copy of Agenda and Business Papers emailed to members for review

5. Confirmation of the previous Meeting's Minutes

Col called for formal approval of the minutes for the Meeting held on 29 May 2019 and members confirmed their acceptance. The CCC Meeting Minutes are available on HVO's public website - In-Site and can be accessed on-line via <https://insite.hvo.com.au>

6. Matters arising from the previous meeting on 28 May 2019 - Action Items

Action: In response to a request from Hollee - HVO to provide the CCC with an update on their Local Procurement spend.

✓ At today's Meeting

Andrew advised that HVO's total local procurements spend in the electorate for the period June 2018 to June 2019 was \$353,789,241. The following Local Government Areas closest to HVO totalled \$283,134,436:-

✚ Singleton	\$102,224,932
✚ Muswellbrook	\$ 63,207,632
✚ Maitland	\$ 61,038,141
✚ Cessnock	\$ 55,959,534

Todd queried the spend for the Upper Hunter Shire and Andrew advised that is \$704,197. Hollee noted that of the \$353 Million, less than half of that was spent in Singleton being \$102 Million. Andrew confirmed that the balance of \$250 Million had been spent amongst the areas of Cessnock, Muswellbrook, Maitland and the Upper Hunter Shire. Hollee asked if HVO could look to boost their spend in the Singleton area and David agreed that he would like to see more effort made to do this.

Andrew explained these figures only represent procurement spend that is in relation to supply contracts, and that there is another investment aspect being HVO's significant portion of spend in employment. Col clarified that procurement spend relates to equipment and services only and Andrew confirmed that is correct, this reporting does not include employment and indirect employment but relates to HVO putting out a purchase order and then engaging a service or product.

It was queried if HVO had any historical data on procurement spend that might indicate if that increases or decreases by area. Andrew confirmed there will be some time series data as HVO do this reporting on an annual basis. Hollee suggested that this be an ongoing report for the CCC and asked if HVO could present this at the first meeting after the end of each financial year, so over time there will be some data for comparison. Tony advised that this report is usually compiled by the end of August.

Ongoing Annual Action; HVO to present their yearly Local Procurement Spend data when that reporting is available, anticipated to be around end August.

Action: In response to feedback from Todd, Andrew to look into conducting some tank water testing at random properties at Maison Dieu and Jerry's Plains, along with a control property not located within close distance of the operation.

Andrew advised that in response to this Action, HVO had written to CCC members to seek their interest in tank water testing and out of that six water tanks that had been tested; three at Jerry's Plains, one at Long Point and two at Maison Dieu. Andrew noted that there had been a control tank site located at Branxton.

Andrew advised that HVO had engaged an environmental monitoring contractor to go out to these residences and take samples for analysis. HVO subsequently collated that data into a table that was presented at today's meeting and Andrew noted that the results of this testing were then compared against the Australian Drinking Water Guidelines.

Andrew advised that overall there were no results that had been flagging in terms of metals, pH or electrical conductivity (EC) but there had been three tanks showing elevated levels of Escherichia coli present. Andrew explained that Escherichia was not an uncommon e-coli to be found in water tanks and can be present due to contamination from bird droppings or the like. The Australian Drinking Water Guidelines recommend that there be no counts of e-coli, so where exceedances had occurred, HVO had advised the residents of those results by email and by telephone.

These test results had shown that there had been some differences in electrical conductivity, salinity and also some variations in pH and Andrew felt that this may be a result of these tanks being filled up by water tanker, possibly from the Hunter River as the numbers were quite similar. Todd felt if a tank had been recently cleaned or filled up with water it would not be representative for this type of analysis.

Brian asked if the samples had been taken at the top of the water tank or down deeper, querying if testing would pick up metals from water at the top of the tank and Andrew confirmed the tests would. Brian felt it would be interesting to compare readings from plastic water tanks to concrete as he felt plastic would grow more bugs out of the two.

Neville asked what information HVO had given to the people who had those tanks tested and Andrew confirmed they were provided with the test results, along with the Australian Drinking Water Guidelines. Andrew noted that HVO has provided an offer to all neighbours for tank clean outs and the company is still open to do that if people are interested.

Col asked how HVO intend to get this information out to the broader community and Andrew noted that this detail will go out with this Meeting's Minutes and that HVO could share this information. Col and Jeannie agreed that it would be beneficial for HVO to communicate detail around the water tank testing to the local community and Andrew confirmed that the company will publish this information in the upcoming near neighbour letter. Andrew reaffirmed that tank cleaning is offered each year, as part of HVO's near neighbour letter, to remind the community that the service is there and available to access.

Neville recalled back to around 2006, when there had been a similar set of climate conditions, and there had been a series of tests of rainwater tanks conducted. Neville felt that the subject of water tank maintenance is a Valley wide issue and therefore should be in the public domain, he felt it is more than a matter just for HVO.

Neville understood that the Department of Health recommends for water tanks to be chlorinated and felt that it also may be a matter for Council to provide advice on water tank maintenance. Brian felt there may be people in Jerry's Plains that are drinking water out of tanks that have never been cleaned and Andrew noted that whilst water tanks are low maintenance, they are not maintenance free.

7. Company Reports | Update on Hunter Valley Operations

SAFETY SNAPSHOT;

Injury Rates 2019

Total Recordable Injury Frequency Rate (TRIFR) –2.40 (target is 3.00)

Lost Time Injury Frequency Rate (LTIFR) –1.44 (target is 1.00)

Tony advised that HVO had been working hard over the past 12 months to improve safety on site and there had been a good TRIFR improvement down to 2.40. Tony noted that that is still 5 TRIFR and LTIFR that the company does not want but there had been decent progress made and HVO's workforce had been receptive around safety. Hollee queried the TRIFR target of 3 and Tony advised that 3 is the average across every site and this number gives the business something to strive towards.

Tony added that whilst a target has to be set, the goal is for 0, so he is not saying that 3 is acceptable. Tony noted that if any site was to have above 3 for their TRIFR, then they would be required to implement some specific recovery plans to bring that number down.

Holley asked if this would include undertakings such as a re-evaluation of risk assessments and Tony advised HVO invest heavily in safety processes to ensure staff go home safely to their families. HVO make sure they have the right procedures in place, then the next step is the personal aspect. Tony asked if members had seen HVO's new safety signage that had been put in place on site and Neville responded that he felt these signs were a great initiative by the company.

It was queried if this safety data was specific to Glencore sites or if HVO have access to Yancoal data and Tony confirmed that HVO conduct monthly safety presentations with their workforce and will demonstrate to them what other sites are doing.

MINING OPERATIONS;

West Pit; It is business as usual in this Pit, operations may be visual as HVO start to mine in the Bayswater area and HVO confirmed that they are conscious of any dust issues that may be produced from equipment up in that area.

Since the last CCC in May, HVO have undertaken a program of fitting all drills with a smaller bit size which equates to smaller drill holes and better quality control over blasts. In addition, HVO have implemented a maximum depth of 20 metres that they are allowed to blast (unless approval is received by the Technical Services Manager) which results in greater control over fragmentation on all shots with the aim of reducing fume.

Hollee asked with regard to blasting, how HVO were finding the windy conditions that are typical for August and September. HVO responded that they are strict on blasting conditions and have rigorous parameters based on wind speed and direction on when then can and cannot blast of which HVO considers in their blasting planning. As an example; HVO had six shots that they had not fired as the wind had been too strong or in the wrong direction.

Hollee asked what meteorological data the company utilises and Andrew advised that HVO have two weather stations, one located in the north near the solar panels along the entrance road off Lemington Road and the second located near the Cheshunt dump in the south.

Todd queried a blast on the 6th of August around 4.30 to 5.00 p.m. that he felt had been pretty heavy and Janelle added that she had been concerned about a blast on Saturday the 17th of August that she felt had come from HVO's West Pit. Janelle said that it had been very windy on the 17th and as a result they had felt the effects as a result of this blast.

ACTION 1: In response to concerns raised by Todd & Janelle, HVO to look into blasts on the 6th & 17th of August.

Hollee asked Janelle if she phones HVO about those types of concerns and Janelle explained that at the time she was not within phone range and finds by the time she returns to her phone it is too long after the event to call. Janelle added that she does raise these type of concerns with Andrew at the CCC Meetings. Hollee feels that this type of feedback needs to get back to HVO staff, particularly if they are operating in a certain area where they may not have realised the impact, as then it is hard for the company to review these situations and make improvements going forward. Janelle felt that she should not have to contact HVO if the wind is blowing a gale in her direction as to her it would be obvious not to let off a blast in those conditions.

Carrington as at November now TSF; Tony explained that HVO previously used the north void, down on the flats towards the river, for pit tailings and that HVO have ceased using that area and allowed it to dry out. As of November HVO are using the Carrington void for tailings and continue to progress with that.

Neville noted that HVO had reported on water seepage at the North Void Tailings facility at the previous CCC in May and asked if there was a report. Andrew confirmed that monitoring has shown this to now be stable, there has been no increase in salinity and the water level has come down. In addition, HVO submit quarterly reports on how much water goes both in and out of the tailings dam.

Andrew explained that the primary fix was for HVO to extract as much water as they could by decanting the pond to dry it out. For mitigating seepage, there is the need to consolidate the tailings to make the area less permeable. HVO have started modelling the effectiveness of tailings consolidation on reducing seepage. Andrew added that if monitoring indicates this consolidation is not effective then HVO will assess other options such as recovery bores and grout curtains.

Neville asked if that meant the tailings area will be capped and Andrew confirmed that is what HVO are likely to do. Andrew explained that this tailings area was never flocced but it has been over the last few months via a process that separates solids from liquids. Andrew noted that a depression will form in the middle of the dam overtime and HVO will pump tailings there to keep that level.

Andrew added that HVO had realised that it could be a period of 10 years before the tailings area had consolidated with enough competent material to get machinery on, so with the use of flocculants going in, this is a stiffer paste and will accelerate more quickly.

Neville asked if there was some sort of barrier to the Hunter River and Andrew explained the connectivity had been in the north west corner of the dam near Carrington and not near the river. Andrew advised that HVO are required to submit quarterly reports on input and output for the TSF, in November they will submit their groundwater report, then in March 2020 HVO will submit another report covering; rehabilitation, an ecological risk assessment, planned trigger actions and if there has been any change in vegetation.

Neville felt that the tailings area was in a risky point given its proximity to the Hunter River and questioned the height difference. Andrew advised that this is built for a 1 in 100 flood event and explained where flood water would travel to by identifying a scallop shaped flood plain on mapping.

Cheshunt; There were no major changes in this Pit to report on, progression is in a downward direction and the location of the next strip was identified via mapping. There are the same blasting restrictions in place that HVO has across the rest of site.

In response to a query from Jeannie, HVO confirmed that the company does not have any pending modifications.

Riverview; The same Dragline continues to be operating deep down in this Pit and its location was identified via mapping. This pit will be getting towards the back end of its life over the next three or so years.

HVO asked if the CCC had any questions around their mining operations, no feedback was put forward.

TRUCK SOUND ATTENUATION

HVO have 81 Trucks, 68 have been sound attenuated which is 83% of their fleet. In 2019, HVO is scheduled to complete fitment of a further 16 sound attenuation kits to their haul trucks with all of their haul fleet to be sound attenuated by the end of 2019. Recent sound testing has confirmed sound power level had been achieved for the new sound suppression kit and the roll out of this new kit will commence early September. Andrew advised that HVO are planning on completing a truck every week towards the end of this year, in order to meet the goal of 100% completion by the end of 2019.

Exploration Drilling –EL 5291

- ✚ Drilling programme comprises 19 drill holes in total (seven on private properties);
- ✚ Drilling is to ensure that tenement expenditure on EL 5291 is maintained and not to explore for resource definition;
- ✚ Drilling is to undertaken before the end of 2019; and
- ✚ Drilling requires approval by the Resource Regulator and consultation with landowners (including access agreements) prior to the commencement of the programme

Andrew explained that a requirement of exploration licences is that companies have to put a works program in place, he noted that this is not part of HVO looking at a growth program or having the intention to mine in these areas. HVO do not have a mining lease or mining approval, rather this is the company's process of meeting the tenement commitments of their exploration licence.

Andrew advised that HVO had wanted to share this information with the CCC that the company is required to undertake this program. Hollee queried the locations of the drill holes and Andrew identified the areas via mapping where HVO will target HVO owned properties between now and the end of the year. HVO will meet with private landholders to discuss access arrangements. Andrew added that HVO are looking to commence this program prior to the end of 2019.

Shaun advised that another rig may be seen being set up in West Pit, that is in front of HVO's mining plan, so members are aware that the drilling will be undertaken for exploratory purposes.

Exploration Drilling –EL 5606

- ✚ Drill programme forms part of the Life Of Mine feasibility drilling area;
- ✚ The purpose of the drilling is to define the strata of EL5606 and the underlying EL8821 coal measures down to the Barrett seam;
- ✚ Drilling programme comprises six drill holes; and
- ✚ Drilling is to be undertaken on HVO owned land.

Andrew explained that this drilling will be in the eastern part of North Pit and identified this area on mapping. HVO need to drill six holes as part of that exploration licence to better understand the resource.

Michael asked if HVO were looking at properties in the vicinity of his residence and Andrew advised that the company has no plans for drilling on private properties on the southern side of the Hunter River. HVO's exploration licence does cover that area but in terms of drilling, this will be conducted on HVO owned property.

Neville asked if the exploration would overlap the biodiversity location at Archerfield. Andrew identified the areas via mapping and explained that this just indicates where mining could occur and this process is purely to keep licence commitments in check by HVO conducting this work.

ENVIRONMENT

COMPLAINTS 2019 YTD

There had been six complaints received; four in relation to dust and two in relation to blast.

Two complaints had been received since the May CCC Meeting:-

Complaint 7 June 2019, 12:45

- *The Department of Planning (DP&E) and Environment received a complaint in relation to blast fume at HVO for a blast that occurred on 6 June. The blast was fired from West Pit at approximately 13:10 and produced fume ranked as 3B.*
- *The plume was observed to disperse over mine land.*
- *Complainant details were not disclosed by DP&E therefore the complainant could not be contacted for follow up by HVO.*
- *An external investigation was undertaken which found that reducing shot size and depth on production holes could assist in reducing fume events.*

To address blast fume reduction; production drill holes of shallow depth (less than 20 metres) and narrow width have recently been implemented on site to eliminate the risk of blast fume events. Drill holes of greater than 20 metres requires sign off by the Technical Services Manager.

Andrew advised that the company had undertaken investigations and as Shaun had previously shared with the CCC, reducing the shot size and depth were the key findings to come out of this, resulting in better fragmentation and reducing the risk of fume. Andrew confirmed there may be some cases where HVO need to go deeper, for example; when pre-splitting material and that would require Shaun's approval.

Neville asked how big the surface area is in each blast and Shaun responded that HVO work to keep this to 100 metres wide by 200 metres long but it can vary. Neville asked what is considered to be a smaller hole and Shaun explained the holes are now 229mm and had previously been 270mm. David asked if smaller drillholes equates to requiring more drill holes and Shaun confirmed that it does, so there will be smaller amounts but distributed more evenly through the rock mass which is also more efficient.

Hollee asked if the change in the diameter of drill bits happened after this occurrence and it was confirmed that this is one of a number of undertakings that HVO have put in place to improve on their blasting techniques and that Bruce had previously explained that fume is the result of a blast not working properly and that is also costly to the company as it does not fragment properly.

Complaint 26 June 2019, 15:03 (Jerrys Plains)

- *A complainant called the HVO public telephone number to complain about dust being emitted from the mine and covering their property following a blast at Riverview Pit at 2.48pm.*
- *Video footage indicated a visible dust plume crossed the mine boundary however it was dispersing as it tracked westwards.*
- *Video footage was insufficient to track the dust plumes path offsite however based on wind direction at the time, it is possible the dust plume would have travelled in the general direction of the resident who is located approximately 4km from the blast.*
- *The dust plume is likely to have dissipated over this distance.*
- *The blast was fired in accordance with blast management plan and internal blasting permissions*

Janelle felt the drill modifications had been discussed at the previous CCC in May and asked if HVO had not been able to implement this until after these incidents. Andrew reaffirmed that Bruce had talked about a number of undertakings HVO have put in place and the sequence had been first to reduce the size and depth of shots and the second was to reduce the diameter. Tony explained that it takes about 6 to 7 weeks to change out the drills and confirmed that HVO are completing the last one now. As a result of these new processes, HVO have ceased designing drill patterns for large shots.

REHABILITATION

Planned rehabilitation 2019 = 86ha

EOM July (including carryover):

- ✓ Released: 84.5 ha
- ✓ Shaped: 67.3 ha
- ✓ Topsoiled: 38.8 ha
- ✓ **Seeded: 22.5 ha**
- ✓ Available for seeding: 9.0 ha

Andrew noted that most activity had recently occurred in an area down off the Golden Highway, which has been shaped and topsoiled with HVO now working along the eastern edge of the Cheshunt Dump, which is on plan.

Aerial Seeding

HVO undertook aerial seeding on the 25th and 26th of July covering an area of 405 hectares. Andrew explained this provides a temporary cover on dumps that are active, and to reduce those areas being exposed to wind generated dust. Andrew acknowledged that the seeding needs rain to be effective but ground cover will not be generated if there is no seed on the ground.

FERAL PEST MANAGEMENT - 2018

HVO provided an overview of their synchronised baiting/trapping programs, targeting pigs, wild dogs, foxes, and confirmed that kangaroo culling (commercial harvest) is ongoing with a bounty system in place. In addition, HVO provided a vertebrate pest control summary by species.

Brian and Di noted that the pig numbers had reduced slightly, however Janelle advised they still remained a problem around her residence. Andrew noted that reporting sightings to the Environment and Community Team assists in planning baiting locations.

HVO presented information on Regional Animal Pest Control Programs that HVO are involved with in conjunction with Corporate and Government Agency Programs and are co-ordinated by the Hunter Local Land Services.

SCHOOL TOURS

Andrew advised that students from the Australian Christian College and Mount View High School had visited HVO as part of the Work Inspiration program. During these tours HVO staff give presentations about what a career or trade in mining might look like as part of vocational training at Schools. Andrew said the students had been happy with what they had seen and learnt on site.

HVO Community Grants Program

Round 1: A number of local organisations were successful in obtaining funds totalling almost \$30,000:

- ✓ Camp Quality
- ✓ Singleton Theatrical Society
- ✓ Singleton PCYC
- ✓ Westpac Rescue Helicopter Service
- ✓ Singleton Bowling Club Co-operative Limited
- ✓ Singleton Pony Club
- ✓ Singleton Heights Pre-School
- ✓ Singleton Council

Andrew noted that Singleton Council had asked HVO to assist with part funding for a vehicle messaging sign and HVO are interested in helping to support a number of community events run by the Council. The sign would also be beneficial for some community members who may not see events advertised on the internet.

Round 2

Will open on 2 September and close on 27 September and the CCC were encouraged to communicate this with their respective networks.

8. Community Representative Feedback

Neville Hodkinson

Neville feels that air quality needs to be addressed in a different way than it has been over the past 10 years, as what has been tried has not been good enough. In relation to the health of the community, Neville noted that local Doctors have expressed their concerns regarding air quality and he said groups are now faced with the challenge of looking at what the next steps should be to improve this and working out which way to go. Neville advised this debate on how air quality is to be addressed is being played out in some submissions and that it is an open question.

Neville believed that in requirements that may be coming forward there will be the need for some mines located at the end of the chain having to shut down when conditions are such that air drifting patterns are from the top of the Hunter Valley to the east, and the same should the wind be going in the reverse direction.

Neville noted the current climate conditions and feels that these are a challenge to mining. Neville said he was heartened by the improvements in blasting that HVO have implemented and feels blasting is visual which the community sees.

Neville was interested in the discussion around rain water tanks as there had already been discussions some years ago about people relying on rainwater but some do not test or chlorinate their tanks. Neville feels there is a need to revisit work that has already been completed rather than reinvent the wheel.

Neville noted that in HVO's Monthly Environmental Monitoring Reports the wind trends for February, March and April had been predominantly south-east and then in May trending to north-westerly. Neville noted that there had been one issue for HVO in April where they had reported in their Real-time Investigation results that an estimated contribution from this mine had been 36%. Neville felt when winds were south-east this would mean they are travelling up the Valley, so these conditions should not be so much of an issue for HVO but rather there would be top end issues. Neville noted in May when the wind was more north-westerly that HVO had reported three occurrences of estimated contributions and he feels that if mines are trying to lower levels, then they should shut the mine down under those conditions.

In Neville's broad analysis, he believes it is the air drifting that needs attention, and felt some consideration between mines was needed such as for them to communicate to each other to see which mine is doing what under those conditions. Neville said when looking at the composition of what is in the air, there is PM₁₀ which is course, PM_{2.5} and then there is diesel and he feels these numbers are quite high from the mines. Neville feels it is about rate and level of change and even if monitoring data is on the lower levels, he believes it is the rise and falls that cause the impact. Neville understood that there is more detailed and targeted research being conducted to determine if there are particulates causing health issues.

Neville explained that his feedback today had not come from a specific forum but rather the reaction of the general community and what is being openly debated around the need to address air quality.

Neville asked in relation to the dam leakage he had noted that water monitoring data from near the alluvial flats had indicated that the water level had gone up 5 metres and then down 5 metres and queried if that would have been a result of HVO sucking out the water in that area. Andrew would need to look at that monitor specifically as HVO have a large number of monitors in place and confirmed that these react if water goes above or below a certain threshold. Brian noted that the aquifers were down because of the drought.

David Love

David said he would be interested in obtaining further information about the local Procurement Spend figures and asked if he could take a closer look where those figures had come from and Andrew advised he would be happy to discuss this further with David.

ACTION 2: Andrew to discuss Procurement Spend in more detail with David out of session.

Michael Wellard

Michael asked if HVO plan to go higher on the Cheshunt overburden dump and Andrew responded that there is another 10 metre lift to go and that will be the total height that HVO are looking to do, he confirmed this area has approval for an 80 metre lift. Michael said that people are complaining about the visual impact of this area and Andrew confirmed that HVO are conducting aerial seeding there.

Janelle said that her view of the mountain ranges from her residence in Maison Dieu has now been taken away and is concerned that HVO's plans are to go even higher, she said the company had previously indicated that this would never happen. Janelle said that dust comes from the Cheshunt waste dump and has become worse due to the lack of rain. Janelle believes that winds tend to swirl and there is no such thing as a single wind direction i.e. a straight westerly, and said that residents over her side of the waste dump are wearing this dust. Janelle feels this dust is a major problem to health and given she suffers from asthma and is allergic to sulphur there are times when the conditions are so poor that she cannot leave her house.

Andrew advised that the intent is always to seed these areas, but there had been a bit of a delay whilst HVO hauled additional overburden to this area. He acknowledged the feedback that there was still some issues, but reassured Janelle the plan is to rehabilitate that area as quickly as HVO can.

Michael feels that with regard to HVO going up another 10 metres that residents have an opportunity to complain to Council if they are to be visually impacted, yet the mines are affecting what people are seeing as far as the mountains go and Andrew confirmed that a mining development has to take visual impacts into consideration in their planning.

Todd Mills

Todd said that in relation to discussions around dust he had wondered about the blast fume incidents on the 9th of May and the 6th of June that were blamed on rain events. Todd had looked back at the Army Base weather records and would not call those days rain events, for example there had been one day of 12ml in May, so he questioned how HVO could attribute the fume issues to rain.

Todd provided an example of a noise concern he had phoned through to HVO and as a response to attended monitoring HVO had shut the equipment down, he asked why unattended monitoring would not have picked up this type of noise as he did not see this incident in HVO's report.

Andrew said this could come down to a difference in the timing of when a person is in attendance taking a noise recording compared to real time monitoring, he explained attended monitoring is conducted for 15 uninterrupted minutes. Andrew noted there can be some differences between attended and real time results, and believes the human ear is the best device there is for noise.

ACTION 3: Andrew to look into a noise concern that Todd raised at the August CCC Meeting, to see if HVO's attended noise recording lined up with their real time noise monitoring.

Col asked if HVO could also address Todd's concern regarding blasting issues in May and June being attributed to rain in comparison to the Army Base weather records. Shaun responded that he did recall one blast with fume where there had been a water issue, as he had inspected this and noted that the hole had slumped.

Shaun explained rainfall will not always line up with the day of shot but rather it can be preceding. HVO look at forecasts a few weeks in advance and if there is potential for rain they will put wet product in the ground when loading which is water resistant.

ACTION 4: In response to Todd querying blasting issues on the 9th of May and the 6th of June that had been attributed to rain, HVO to check back to their rain reports for those periods.

Cr Hollee Jenkins

Holley noted that this time of the year brings strong winds and potential for dust issues, she feels that HVO have got exposure not only where they operate but also the exposed face around the pit and asked if HVO use water carts over the whole of their site or only where they are operating. Tony responded that when there are windy conditions HVO will put water carts up on the top areas and water everything that they are able to get to, and this process is conducted even if their trucks are stopped. Janelle said she had not physically seen water carts operating at night and Tony confirmed that they do operate and that HVO can see where they run as this data is tracked.

ACTION 5: In response to a request from Hollee, HVO to provide an update on employment indicating; the numbers around apprentices, plus contractors to full times, in and out of the area for the previous 12 months.

Holley noted that there had been an Integrated Operational Control Centre in Singleton and asked if HVO run all of their own controls from this Centre. Tony confirmed that HVO do that here on site and he was happy to show the CCC the Dispatch Room as part of today's Site Tour.

9. General Business

Neville asked given the discussions around blasting, if it may be possible for HVO to provide some sort of report to show what successes they have had as a result of these new measures that they had undertaken e.g. to show how smaller production drill holes are affecting what potentially goes into the air.

Neville was not sure if it was too early for HVO to be able to provide this type of report and Shaun explained that HVO do not have a lot of historical data on what shots had fumed but they are tracking that frequency going forward now and could show trends and ranking of shots at a later date.

ACTION 6: In response to a query from Neville, HVO to look into sharing blast tracking data to show trends and the ranking of shots.

10. Next Meeting: **20 November 2019 at 1.30 p.m. at HVO's Main Administration Offices**

Actions arising from this Meeting:

ACTION 1: In response to concerns raised by Todd & Janelle, HVO to look into blasts on the 6th & 17th of August.

ACTION 2: Andrew to discuss Procurement Spend in more detail with David out of session.

ACTION 3: Andrew to look into a noise concern that Todd raised at the August CCC Meeting, to see if HVO's attended noise recording lined up with their real time noise monitoring.

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Ongoing Annual Action: HVO to present their yearly Local Procurement Spend data when that reporting is available, anticipated to be around end August.

REMINDER OF HVO'S NEW CONTACT DETAILS

HVO Complaints and Blasting Hotline: 1800 888 733 (free call)

To make an environmental complaint / Find out road closure times for blasting / Attended 24 / 7

Websites:

HVO -information about the operation: <https://hvo.com.au>

HVO InSite-environmental monitoring performance: <https://insite.hvo.com.au/>