

Hunter Valley Operations

Community Consultative Committee

Business Papers – February 2021

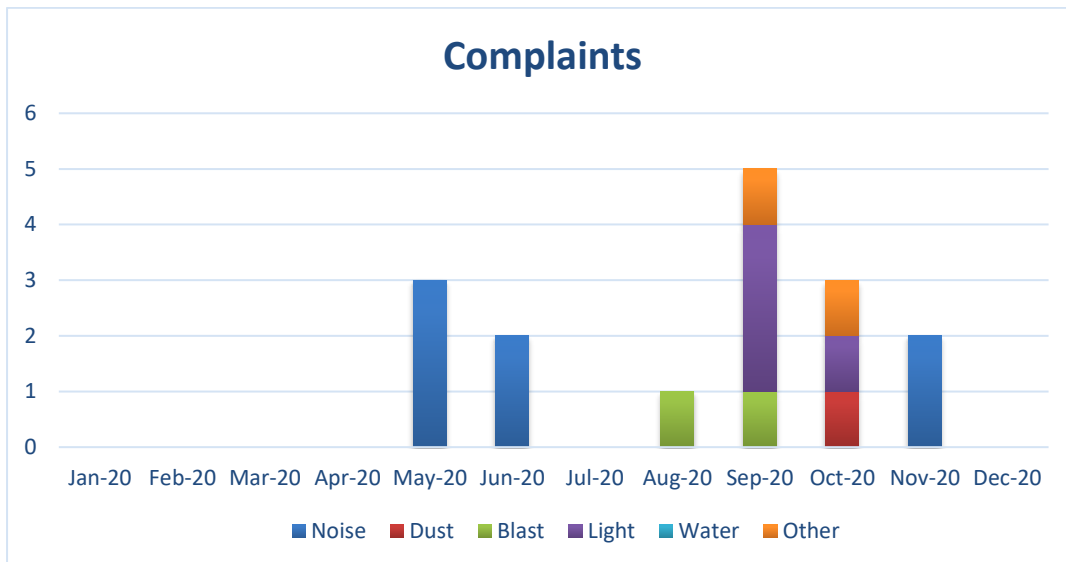
Materials ahead of meeting of the committee on **17 February 2021**

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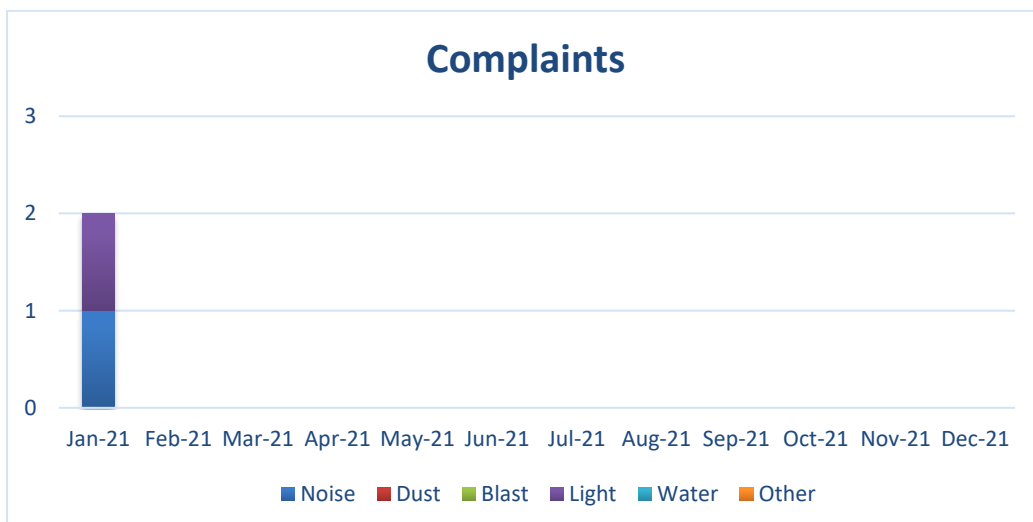
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1.0 Complaints

16 complaints were received for 2020.



Two complaints have been received for 2021 to date:



Date	Time	Type	Location	Complaint details	Method Received	Monitoring Indicates Exceedance ?
19/5/2020	8.28pm	Noise	Jerrys Plains	<p>A complaint was received by a resident of Jerrys Plains Village who reported that he could hear a horn from a digger or shovel as well as a dozer rattling and haul trucks running.</p> <p>Following his conversation with the resident at 8.49pm, the Senior Supervisor rang the OCE on shift at West Pit at 8.57pm and asked him to complete a field inspection to ascertain if any noise was coming from West Pit that could be contributing towards the noise being heard in Jerrys Plains. Shovel 317 was shutdown to determine if it was contributing to the noise. 341 shovel operator was requested to reduce horn use on shovel and minimal tracking of dump dozers.</p> <p>The Senior Supervisor rang the resident back at 9.40pm to advise of the modifications.</p> <p>At 10.00pm haulage from shovel 317 recommenced and the Senior Supervisor rang the resident back at 10.07pm to confirm if any noise could be heard. The resident confirmed he could only hear a few trucks at infrequent intervals. The resident mentioned that he had been sitting outside his residence since 9.40pm and couldn't hear any noise after this time and that he was happy with the operational modifications that the OCE had made. Observations continued until the early morning to ensure noise was contained.</p> <p>It's likely that noise was being reinforced by atmospheric conditions. No noise alarms were received during the time of the complaints.</p>	Hotline	NA ¹

¹ The noise complainant related to intermittent, punctuated noise which would not contribute significantly to overall measured noise levels.

Date	Time	Type	Location	Complaint details	Method Received	Monitoring Indicates Exceedance ?
19/5/2020	9.02pm	Noise	Jerrys Plains	<p>A complaint was received from a resident from Jerrys Plains who reported that she could hear horns going off and rocks being thrown into trucks.</p> <p>The Senior Mine Supervisor called the resident at 9.14pm to ascertain the noise source. The resident confirmed that she could hear horns blowing and trucks running in a south-easterly direction from her property which the Supervisor deduced might be coming from Riverview Pit.</p> <p>Whilst the Supervisor was speaking with the resident on the telephone he could hear a horn noise from a shovel or digger on her phone. At the time of the call the Supervisor was at the Riverview crib hut and couldn't hear any horns being blown from that location. Conversely when horns were being used in the Supervisors vicinity these could not be heard by the resident.</p> <p>The Supervisor told the resident that he would speak with HVO operators about minimising horn noise and also changing the trucks coming off the RW 150 dump to sound attenuated. Changes were also made to operations in West Pit around this time in response to a prior noise complaint. It's likely that noise was being reinforced by atmospheric conditions. No noise alarms were received during the time of the complaints.</p> <p>The Supervisor rang the resident back at 10 pm to check if the noise had abated. The resident reported that the noise levels had dropped and that she was happy with the modifications that had been made.</p>	Hotline	NA ²

² The noise complainant related to intermittent, punctuated noise which would not contribute significantly to overall measured noise levels.

Date	Time	Type	Location	Complaint details	Method Received	Monitoring Indicates Exceedance ?
30/5/2020	9.38pm	Noise	Jerrys Plains	<p>A complaint was received by a resident of Jerrys Plains Village who reported that he could hear horn noise believed to be from a loading unit which was described as the same noise that he could hear when he made a complaint on 19 May 2020.</p> <p>The resident was called back by the Senior Supervisor on shift who advised the resident that the concerns of horn noise would be investigated. The resident did not request a further call back. The Senior Supervisor then rang the West Pit OCE who reviewed current pit operations to ascertain if noise was coming from West Pit and contributing to the noise being heard in Jerrys Plains.</p> <p>At approximately 11pm the West Pit OCE observed from the RL 160 Wilton Pit Dump that all loading units were operating below the natural surface. Horn and haul truck noise from loading units 306 and 341 was audible from this location however it was considered that the noise was unlikely to be carrying to Jerrys Plains and as such no operational changes were made.</p> <p>Noise levels were below trigger level, no noise alarms were received during the time of the complaint. Weather conditions at the time deemed criteria to be applicable. Noise levels at the nearest noise monitor half an hour before and after the complaint ranged from 32 to 34 dB against a criteria of 36 dB indicating compliance.</p>	Hotline	NA ³

³ The noise complainant related to intermittent, punctuated noise which would not contribute significantly to overall measured noise levels.

Date	Time	Type	Location	Complaint details	Method Received	Monitoring Indicates Exceedance ?
1/6/2020	8.28am	Noise	Maison Dieu	<p>A complaint was received by a resident of Maison Dieu who reported that she could hear a pump which she thought was coming from Lake James from Friday 29 May to Monday 1 June and that the noise from the pump had disrupted her sleep.</p> <p>Noise monitor indicated potential mine related exceedances at night on 31 May issuing noise alarms from nearest noise monitors at Maison Dieu and Knodlers Lane over</p> <p>Alarms were received and actioned by Dispatch and the Mine Supervisor, with the observation being that noise was from a water pump and farm animals and not mining equipment. A pump was a suspected cause of previous noise alarms and actions had been implemented to mitigate. Pump was changed out for quieter version (29/5/2020) and shrouded with noise insulation, and testing proved to be less noisy than previous pump. The pump won't be run on night-shift until additional controls are implemented.</p> <p>The E&C Officer called the resident at 1.47pm to confirm that the pump had been attenuated with sound curtains and that the pump would be turned off on night shift. The resident was appreciative of these actions.</p>	Direct phone call to E&C Officer	Yes ⁴
12/6/2020	9.40pm	Noise	Jerrys Plains	<p>A complaint was received from a resident of Jerrys Plains regarding loading and horn noise from the direction of West Pit.</p> <p>The OCE called the resident to confirm noise concerns and later returned call whilst inspecting the pit to confirm horn noise that she was hearing. It was identified that Shovel 341 horn noise was the key source. The OCE consulted with operators to develop a plan to limit horn use by using Dispatch to the kick the trucks out, reduced air pressure in the shovel horn to reduce noise level and reduced the amount of time they held the horn on for. Approximately 15 minutes of down time was recorded. No further complaints were received.</p>	Hotline	NA ⁵

⁴ This is indicated as a potential exceedance based on real-time noise monitor data. The contribution to the measured levels have not been calculated to determine significance of the mine noise.

⁵ The noise complainant related to intermittent, punctuated noise which would not contribute significantly to overall measured noise levels.

Date	Time	Type	Location	Complaint details	Method Received	Monitoring Indicates Exceedance ?
7/8/2020	2.29pm	Blasting	Jerrys Plains	<p>A complaint was received by a resident of Jerrys Plains who called the Environment and Community Officer (E&C Officer) directly, to report that her house shook and windows vibrated from a mine blast at around 2.29pm.</p> <p>The E&C Officer checked the blast monitoring database and consulted with Drill and Blast confirming that HVO had fired a blast at 2.29pm. Both the vibration and overpressure results (0.05 mm/s and 105.82dBL) recorded at the Jerrys Plains Village blast monitor were below compliance levels.</p> <p>The resident was called back at 3.36pm to confirm that HVO had fired a pre-split blast in West Pit at 2.29pm and that both vibration and overpressure levels were below compliance levels. The resident asked if the E&C Officer could record the enquiry as a formal complaint.</p>	Direct phone call to E&C Officer	No

02/09/2020	10.02am	Lighting	Jerrys Plains	<p>A lighting complaint was received by a resident of Jerrys Plains who called the Environment and Community Complaints Hotline at 10.02am on 2 September 2020. The Environment and Community Officer called the resident at 10.03am who reported that she had observed a large static light coming from the direction of the truck stop on the HVO side of the Golden Highway during the evening of Monday 1 September. She mentioned that the light was shining directly into her bedroom all night.</p> <p>Environment and Community Officer drove to the resident's house in Jerrys Plains to assess view-shed and likely location of the light.</p> <p>A field inspection of the Riverview operations was undertaken and lighting plant set up on an elevated section of the Riverview Pit was identified however the light was not pointing directly towards the resident's location. The light was re-directed for the oncoming night-shift.</p> <p>Follow-up inspections were undertaken by EC and Mine Superintendent in the early evening to confirm adjustments were effective.</p>	Hotline	N/A
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13/09/20	8.31am	Lighting	Jerrys Plains	<p>A lighting complaint was received from a resident of Jerrys Plains at 8.31am on Sunday 13 September. The resident advised she had observed a large static light coming from the direction of the truck stop on the HVO side of the Golden Highway during the evening of Saturday 12 September.</p> <p>An investigation found that the lighting plant was positioned on the south east corner of the bench projecting in a northerly direction. Resident is located to the north west of the lighting plant.</p> <p>The nightshift OCE commenced an inspection of the work area, modified the lighting plant and then rang the resident to confirm if the light was still visible and they confirmed it was not.</p>	Direct phone call to E&C Officer	N/A
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15/09/2020	11.58pm	Lighting	Jerrys Plains	<p>A lighting complaint was received from a resident of Jerrys Plains regarding a light shining into her bedroom all night from direction of the truck stop on the HVO side of the Golden Highway.</p> <p>OCE was not rostered on, getting the voicemail at 5am 16 September and relayed the complaint to the E&C Officer who called the resident at 7.17am. Inspection of lighting plants in the Riverview area indicated all lights were pointing in a north east direction, away from the residence and consistent with the lighting plan developed in response to previous complaints. EC Officer and OCE inspected the lighting plants, assessed elevation and recommended a maximum bench height to sit lighting plants on to obscure from the view of the residence. This was confirmed by a GIS viewpoint analysis.</p> <p>EC Officer requested the resident call the HVO Community Complaints Hotline going forward to ensure any future complaints are not missed and can be dealt with promptly. Also requested permission to conduct lighting inspections next to their property, this was not agree to at the time. In lieu of this, alternate viewing locations were identified along Jerrys Plains Road.</p>	Direct phone call to OCE	N/A
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22 September	10.12am	Access to Property	Jerrys Plains	<p>Jerrys Plains resident contacted the E&C Officer at 10.12am stating that he was unable to access the Travelling Stock Route (TSR) from the Golden Highway as his access lock had been locked out of sequence. Resident was extremely frustrated given that this incident has happened on previous occasions. The E&C Officer committed to restoring the locks to the correct sequence within the hour. The complainant advised that he needed access to the paddock immediately.</p> <p>Investigation determined that the gate had been accessed to conduct a blast clearance ahead of a blast in the Riverview Pit. The E&C Officer took the Drill and Blast Engineer to the gate in question and the locks were restored to the correct sequence and a photograph was taken and sent to the resident to verify that this had been undertaken.</p>	Direct phone call to E&C Officer	N/A
25 September	9.25am	Blast	Jerrys Plains	<p>A resident from Maison Dieu sent the Environment & Community Officer an SMS at 9.25am regarding a blast that "shook the house off the piers" and frightened the dogs.</p> <p>The E&C Officer checked the blasting data to verify the data recorded at the Jerrys Plains blast monitor confirming that both overpressure (101 dBL) and vibration (1.47 mm/s) were well below compliance criteria.</p> <p>The E&C Officer called the resident at 9.36am to confirm that HVO had fired a blast in the Cheshunt Pit at 9.23am. The resident advised that the blast had shook her house and that she felt the vibration prior to the noise of the blast. Vibration being the primary concern. She commented that over the course of the last 12 months that blasting from HVO had got worse and that the blast fired at 9.23am had been the worst to date.</p>	Direct phone call to E&C Officer	No

4 October	4.30pm	Access to Property	Jerrys Plains	<p>As part of routine surveillance HVO Security checked Hobden's TSR gate at 4am 4 October noting that an HVO lock had been cut and a single lock and chain applied. Thinking this was an illegal entry they cut the lock and entered the TSR noting truck tracks. This was notified to EC Manager at approximately 4:30 pm on 4 October who contacted the farmer, who agists their cattle in the TSR, to advise of potential illegal access. The farmer advised that he cut the locks as the HVO lock had bypassed his lock effectively locking him out. As a result a cattle truck could not access the property to load cattle incurring a delay fee. The farmer advised he had been repeatedly locked out and did not want this to continue,</p> <p>A combination lock was purchased to replace the farmers cut lock and was applied to the gate. The farmer was advised of this action as well as the lock code.</p>	E&C Manager contacted complainant	N/A
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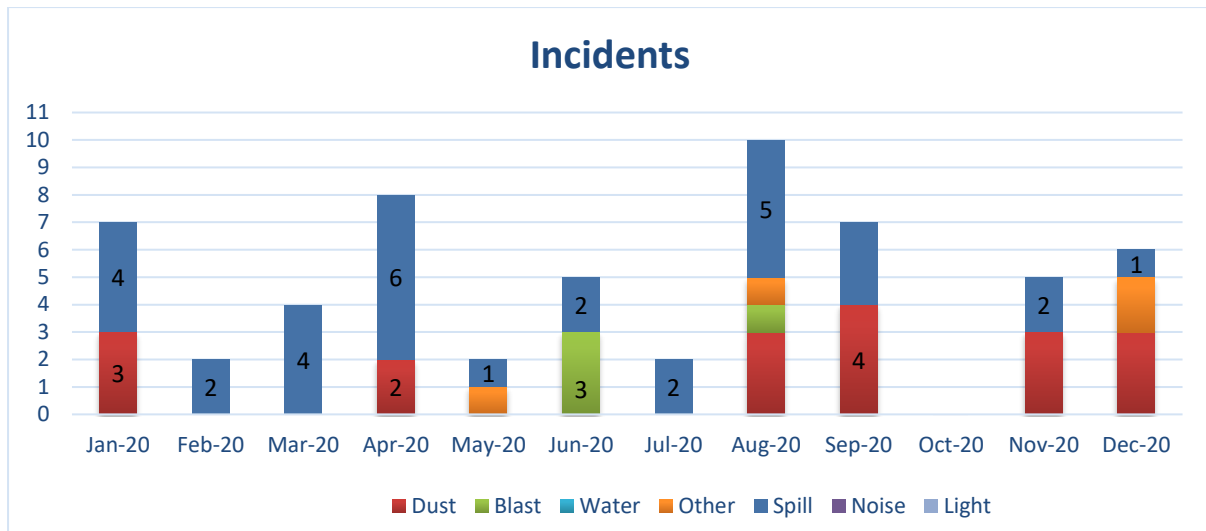
13 October	6.48pm	Dust	Maison Dieu	<p>Dust complaint received from a resident of Maison Dieu at 6:48pm via the Community Complaints Hotline. The resident had been observing HVO from their property for about half an hour and considered the dust being generated by trucks on the link road dump (above the South Workshop) to be excessive. They noted that the dust being generated was obscuring the trucks and that the dust was being blown towards HVO and not their property. The nearest air quality monitor at Maison Dieu was reading 35 ug/m³ PM10 against a criteria of 50. Wind was blowing from the south east towards HVO.</p> <p>Video footage from the Lemington Tower camera was checked which showed truck movements in the area at the time of the complaint, producing wheel generated dust.</p> <p>After receiving the complaint the OCE re-allocated trucks operating in the vicinity of the area which had been generating dust.</p> <p>The resident was contacted to discuss the complaint and advised of actions taken.</p>	Hotline	No
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21 October	10.00am	Lighting	Jerrys Plains	<p>A lighting complaint was received from a resident of Jerrys Plains at 10.00am on 21 October who advised that a lighting plant set up in the Riverview operation had been shining directly into the front window of their property between 11.30pm to 12.00 midnight on 20 October disturbing their sleep. They mentioned that the location of the plant was in the same area as in her previous complaints from September 2020.</p> <p>The Environment and Community Officer spoke to the resident at 10.27am to ascertain further information about the complaint namely the timing and the location of the lighting plant in relation to the Riverview operation.</p> <p>Investigation determined that the lighting plant had been relocated to a higher bench from about 11 pm 20 October and pointed in a more northerly direction. The lighting plant which had been used was emitting white light and not yellow light which was implemented as a previous control.</p> <p>Night access to the 142mRL bench has been restricted prior to additional controls being implemented.</p>	Hotline	N/A
9 November	8.40pm	Noise	Jerrys Plains	<p>The EPA received a noise complaint from a resident located on Redmond Vale Road at Jerrys Plains reporting excess noise coming from HVO on 9 November 2020 at 20:40. No detail was received in regard to the address of the complainant and why the complainant did not contact HVO directly. The complaint was received by HVO on 3 December 2020 so the site was unable to respond to it at the time the complaint was recorded. A noise alarm from Moses Crossing was received by Dispatch at 20:30. Dispatch reviewed the audio and found that noise was dominated by traffic noise from the Golden Highway.</p>	EPA	No
21 November	10.05pm	Noise	Singleton		Hotline	No

2 January 2021	10.12pm	Lighting	Long Point	<p>A lighting complaint was received from resident of Long Point at 10.12 pm on 2 January 2021. The resident called the HVO Community Complaints Hotline to advise that two lighting plants from HVO operations had been shining directly into his window at his residence preventing him from sleeping.</p> <p>Following this conversation, the OCE shut down the Pit 2 RL125 dump activities and turned the lights off after which he called the resident back to see if there had been any changes to the offending lights. The resident confirmed that he could no longer see the lights and was happy with the action taken. The dump plan has been modified to operate during daylight hours.</p>	Hotline	N/A
3 January 2021	11.48pm	Noise	Long Point	<p>A noise complaint was received from a resident of Long Point at 11.48 pm on 3rd January 2021. A call-back was not requested. The resident registered a further complaint at 12.12am on 4 January in regards to a loud whining sound coming from the pit with the complainant being 'very unhappy, can't sleep and needs to work tomorrow'.</p> <p>The OCE had reviewed noise levels and contacted the resident advising that the noise was below criteria however was in the process of undertaking an inspection of the area. The OCE travelled to Long Point Road and listened near the residence, where he advised that a low-level mining noise could be heard and an occasional whining sound that he believed to be the auto-retard on the haul trucks. The OCE did not consider the noise to be excessive.</p> <p>The Environment and Community Officer spoke with the resident at 2.39pm on 4 January who confirmed that a whirring noise from the pit, in addition to dozer tracks and trucks revving could be heard at the time of the complaint. No noise alarms were received from the Long Point noise monitor. The highest 15 minute noise level recorded between 10 pm and 12:15 am was 19dB (low frequency) against a criteria of 35dB.</p>	Hotline	No

2.0 Incidents

Incident overview for 2020



No incidents recorded for 2021 to date.

Date	Details	Key Actions	Aspect
09/01/2020	PM10 High Volume Air Sampler (HVAS) at the Hunter Valley Glider Club site failed to run for the full 24 hour period only recording for a total of 20 hours.	The HVAS was investigated by HVO's environmental contractor with no faults found with the unit. Further investigation found that the mis-capture was likely due to a local power outage. DPIE were notified with an incident report submitted on 5 February.	Dust
15/01/2020	The TSP HVAS at the Warkworth site failed to run for the full 24 hour period only recording for a total of 18.6 hours.	The HVAS was investigated by HVO's environmental contractor with no faults found with the unit. Further investigation found that the mis-capture was likely due to a local power outage. DPIE were notified with an incident report submitted on 5 February.	Dust
16/01/2020	Pump 217 failed in the drill area at the south end of 306 dig, spilling approximately 100L of oil on the ground.	Contaminated soil from the spill was removed and taken to the onsite bioremediation area for treatment.	Hydrocarbon
19/01/2020	A hydraulic hose failed on Dozer 504 after it was unloaded from a float near the South workshop wash pad, spilling approximately 100L of oil onto the ground.	The dozer was parked up and absorbent matting used to clean up the spill.	Hydrocarbon
21/01/2020	A diesel spill occurred while an operator was refuelling Truck 422 at the West Pit Howick fuel farm. The operator did not notice that the breather on the fuel tank had become blocked with mud and continued refuelling, resulting in 100-150 litres of diesel being spilled onto the ground.	The operator ceased refuelling and reported the spill. The contaminated soil was contained and taken to the onsite bioremediation area for treatment.	Hydrocarbon
21/01/2020	The TSP HVAS at the Warkworth site failed to run for the full 24 hour period only recording for a total of 18.6 hours.	The HVAS was investigated by HVO's environmental contractor with no faults found with the unit. Further investigation found that the mis-capture was likely due to a local power outage. DPIE were notified with an incident report submitted on 5 February.	Dust
25/01/2020	A hydraulic hose failed on Excavator 312 whilst in operation spilling approximately 100L of oil onto the ground.	The excavator was parked up and the spill contained and the contaminated soil taken to the onsite bioremediation area for treatment.	Hydrocarbon
11/02/2020	985 Fuel Cart had an overflow of diesel due to the inspection cover not being fully closed	The Supervisor was advised and a spill kit was deployed to contain spill.	Hydrocarbon

	when repairs were completed which caused approximately 40L of diesel to spill onto the floor of the South Fuel Facility Bunded Area.		
22/02/2020	Excavator 310 operator identified an oil leak while working in the West Pit Upper Liddell Coal Bench with approximately 50L of oil spilled.	The excavator was shut down and the oil spill was contained to the bench. The contaminated material was taken to the site bioremediation facility.	Hydrocarbon
04/03/2020	A road haul truck tipping at the Newdell Dump Hopper leaked approximately 25 litres of oil when a hydraulic oil hose failed.	The truck was isolated, the spill was contained and cleaned up.	Hydrocarbon
13/03/2020	Haul Truck 408 spilled approximately 400 litres of oil on the dig bench due to a failure of the hoist filter.	The leak was repaired and the contaminated material was taken to the bioremediation pad.	Hydrocarbon
26/03/2020	Approximately 30 litres of diesel fuel leaked along the road while a generator was being transported from the old field building to the new Lemington South Maintenance offices.	The leak was isolated and absorbent matting used to clean up the spill.	Hydrocarbon
29/03/2020	A road haul truck tipping at the Newdell Dump Hopper leaked approximately 100 litres of oil when a hydraulic oil hose failed.	The truck was isolated, the spill was contained and cleaned up.	Hydrocarbon
04/04/2020	Drill operator was operating at the south end of West Pit where he proceeded to drill a hole when the drill lost hydraulic pressure resulting in 50L of oil being spilled.	The machine was shut down and the spill taken to the bioremediation area.	Hydrocarbon
08/04/2020	Excavator operator was loading truck 485 when the hydraulic block hit the back of the truck causing approximately 300L of oil to spill.	The spill was contained and contaminated material moved to bioremediation pad.	Hydrocarbon
14/04/2020	Loader 651 blew the main discharge line from the hydraulic tank due to a mechanical failure, causing approximately 200 litres of oil to spill under the machine.	The spill was contained and contaminated material moved to bioremediation pad.	Hydrocarbon
14/04/2020	Truck 415 operator identified a hydraulic leak causing approximately 600L of oil to spill from the hydraulic tank.	The operator stopped the truck. The spill was contained with an earthen bund and taken to the bioremediation area.	Hydrocarbon
22/04/2020	A B double truck was side tipping, when a spray of hydraulic oil was identified,	Absorbent sand was spread over the spill which was contained to the concrete floor of the dump hopper.	Hydrocarbon

	causing approximately 20L of oil to spill.		
26/04/2020	The TSP HVAS at the Cheshunt East site failed to run for a full 24hr period. A reason for the run failure was unable to be determined. The adjacent PM10 HVAS ran without issue over the same time period indicating power supply was not the cause and the contractor confirmed that the timer settings, clock and run schedules were checked and found to be normal. The unit was test-run on the 27 April and operated without issue.	The unit was sent for repairs to confirm any faults and a hire unit was used in the interim.	Dust
26/04/2020	A sample taken at the Cheshunt East High Volume Air Sampler on 26/4 measured 72 ug/m3 compared to the criteria of 50 ug/m3.	HVO engaged an air quality specialist to review the result and determine HVO's likely contribution to the measurement which determined that HVO could have contributed up to 63% of the measurement. HVO reported this exceedance to the DPIE as a non-compliance against its HVO North Development Consent and notified residents and tenants represented by the monitor.	Dust
28/04/2020	Approx. 30L of fuel leaked from a Skid pump remote tank valve.	The valve was closed and stem nut was tightened. A replacement valve is being sourced. The contaminated material was cleaned up and taken to the bioremediation area.	Hydrocarbon
14/05/2020	A hydraulic oil filter housing cap has cracked and broken off and let approximately 60 L of oil from the system flow on to the ground at the North Workshop go-line	The spill was contained and the contaminated soil was taken to the bioremediation area.	Hydrocarbon
26/05/2020	During a site inspection it was observed that ground disturbance had commenced without an approved Ground Disturbance Permit (GDP). Topsoil had been scraped into a	Silt fencing was immediately installed and the GDP finalised with conditions included requiring relocation of gantries	Other

	<p>stockpile and several conveyor gantries had been deposited outside the proposed GDP boundary. Four gantries were placed on the road verge outside of HVO's approval boundaries and land ownership. No unauthorised disturbance was caused to heritage sites or vegetation.</p>	<p>and clean-up of areas outside the approved boundary.</p>	
01/06/2020	<p>After firing a blast in the Riverview Pit, the measured overpressure result was found to be 115.32 dB at the Maison Dieu blast monitor.</p>	<p>The incident was investigated by an external consultant, following the verification of the data in the blast monitoring system, who found that the results were wind affected. HVO are waiting for the EPA to issue a licence variation to permit the use of an alternative monitor less affected by wind.</p>	Blasting
23/06/2020	<p>After firing a blast in the Riverview Pit, the measured overpressure result was found to be 115.24 dB at the Maison Dieu blast monitor.</p>	<p>The incident was investigated by an external consultant, following the verification of the data in the blast monitoring system, who found that the results were wind affected. HVO are waiting for the EPA to issue a licence variation to permit the use of an alternative monitor less affected by wind.</p>	Blasting
25/06/2020	<p>After firing a blast in the Riverview Pit, the measured overpressure result was found to be 115.24 dB at the Maison Dieu blast monitor.</p>	<p>The incident was investigated by an external consultant, following the verification of the data in the blast monitoring system, who found that the results were wind affected. HVO are waiting for the EPA to issue a licence variation to permit the use of an alternative monitor less affected by wind.</p>	Blasting
22/06/2020	<p>Truck 479 developed a hydraulic leak losing approximately 200 in-pit.</p>	<p>The truck was isolated and a grader was called to contain the oil leaking from the truck. The contaminated dirt was recovered and delivered to the bio remediation area.</p>	Hydrocarbon

24/06/2020	A diesel tank on a truck was pierced by a metal stake on the ground which leaked approximately 80 L of diesel while driving. The spill was on an internal bitumen road.	The spillage was removed, dry sorb placed on road ways and a street sweeper to remove the dry sorb.	Hydrocarbon
06/07/2020	Mayfield Truck 636 had a mechanical failure and oil leak (~40L) in-pit.	The spill was banded with a grader and waste material taken to the bio-remediation cell in Carrington.	Hydrocarbon
20/07/2020	Truck 702 blew an O-ring on a hydraulic hose spilling approximately 150 L at the South In-Pit Crib Hut.	The spill was banded to prevent further contamination and cleaned up.	Hydrocarbon
05/08/2020	Whilst fuelling truck 479 at the 706 South Pit fuel farm, the operator heard diesel leaking from the tank overflow and hit the "E-Stop" and shut down the fuel delivery. 50 litres of diesel had been spilled.	50 litres of diesel had been spilled which was contained using the contents of the spill kit, after which the scraper cleaned up the contaminated material and deposited to the Carrington bioremediation area.	Hydrocarbon
05/08/2020	An estimate of up to 200 L of oil was found spilled at the CHPP lube shed oil storage area during a non-routine inspection of the area.	Absorbent matting was placed around the area and an excavator was organised the following day to remove the contaminated soil which was taken to the site bioremediation facility.	Hydrocarbon
07/08/2020	Operator was refuelling truck 403 at the HVO West pit main fuel bay, when it was noticed by the operator that fuel was overflowing from the truck fuel tank overflow.	The operator manually shut off the fuel flow and contacted the supervisor. Approximately 30 litres of fuel was spilled which was contained with absorbent matting.	Hydrocarbon
10-11/08/2020	Warkworth TEOM air quality monitor failed to record sufficient data (75%) for a daily average. Between 14:00 on the 10th August to 16:30 on the 11th August an unplanned Ausgrid power outage resulted in the monitor failing to operate. This resulted in data capture percentages of 57.6% and 31.3% on the 10th and 11th August respectively	A delayed notification was made to DPIE on 3 September 2020.	Air Quality
17/08/2020	Whilst a light vehicle was refuelling at the north fuel farm, the occupant observed and reported a large oil leak from an adjacent pipe line. The oil leak was from the SAE 30 oil and appeared to be from a blown	Reported to the Environment team whilst the supply line was isolated and the leak contained using spill kits and taken to the site bioremediation facility.	Hydrocarbon

	gasket. Approximately 150 litres of oil was leaked		
27/08/2020	Aerial Photography from 21 August 2020 showed vegetation and stockpile disturbance (0.7 ha) of a rehabilitation area. Survey data indicates a windrow has been established within the rehabilitation area to allow for dump progression. The RL165 dump has progressed almost up to this windrow and partially over the rehabilitation area.	Both the Environment and Community Manager and Technical Services Manager were notified of the incident.	Land clearing
27/08/2020	Operator of excavator 312 noticed oil leaking down the front boom of the excavator and called the work shop fitter to inspect the leak of approximately 250 litres who assessed it was necessary to replace the hard pipe.	The scraper removed the contaminated material and delivered to the site bioremediation facility	Hydrocarbon
27/08/2020	Warkworth TEOM air quality monitor failed to record sufficient data (75%) for a daily average. Between 8:30 and 16:00 on the 27th August an unplanned Ausgrid power outage resulted in the monitor failing to operate. This resulted in a data capture percentage of 69%.	The data mis-capture was notified to DPIE on 31 August after it was confirmed by OEH that missed data could not be recovered.	Air Quality
27/08/2020	Blast overpressure exceedance measured at the Knodlers Lane blast monitor (Maison Dieu) following a coal blast in Cheshunt Pit 2 at 9:12 am. The monitor recorded 127 dB(L) against a Development Consent criteria of 120 dB(L). No complaints were received.	The DPIE was notified and a show cause notification was sent to the regulator on 22 October.	Blasting
30/08/2020	The Kilburnie South PM2.5 High Volume Air Sampler (HVAS) failed to record sufficient data (75%) for a daily average. The contractor noted on arrival to the site that the HVAS was displaying a blocked filter error and after running the HVAS in manual mode there was a motor error on the display with no flow being displayed.	A hire unit was arranged to be used whilst the existing unit is taken out of service for fault finding by a service technician. The data mis-capture was notified to DPIE on 31 August.	Air Quality
03/09/2020	The Warkworth TEOM failed to capture 75% of air quality data on August 10 and 11. This was captured in CMO as an incident requiring notification in the EPL Annual Return. However it was not identified at the time that the incident also required notification	A procedure has been revised to clarify air quality reporting requirements.	Air Quality

	to Department of Planning, Industry and Environment (DPIE) (as soon as practicable) which was subsequently reported to DPIE on 10 September.		
20/09/2020	Between 00:50 on 20th September and 12:06 on 21st September there was no PM10 air quality data captured as a result of a failed data logger. This resulted in a data capture of 3.5% on 20th September, and 42.4% on 21st September below the required minimum 75%.	The missed sample was reported to the DPIE on 24th September as the Jerrys Plains monitor is a compliance monitor for HVO South and HVO North consents.	Air Quality
23/09/2020	The PM2.5 HVAS monitor at Kilburnie South failed to run on 23 September 2020.	Reported to DPIE. A replacement HVAS was organised to be installed prior to the next run day as well as an electrician organised to investigate if there were any issues with the power supply to the unit, which there were not.	Air Quality
24/09/2020	Whilst towing a skid mounted pump, the diesel tank ruptured spilling 50 L.	The area was bunded and the vacuum truck attended removing the remaining diesel from the tank. The contaminated soil was relocated to the bioremediation area.	Hydrocarbon
28/09/2020	A coolant pipe at the South Lemington fuel farm came apart resulting in ~7000 L being pumped into the concrete bund. The hose was also hitting the steel pole which sprayed ~200 L of coolant outside the bunded area.	Once controlled the bunded area was pumped out by Remondis and taken off site. The area outside was pumped up where possible and soaked up with sawdust and absorbent pads.	Hydrocarbon
29/09/2020	The PM2.5 HVAS monitor at Kilburnie South failed to run on 29 September 2020	Reported to the DPIE. A replacement HVAS was in place following the last failure and an electrician checked the power supply to the unit confirming there was no issue. In addition, the monitor was also tested prior to the run day. The original unit was reinstalled following repair.	Air Quality
29/09/2020	Approximately 20 L of hydraulic oil spilled to ground from a directional control valve at the Load Point.	Leaked oil was cleaned up with absorbents and a funnel used to capture oil as train loading was being carried out.	Hydrocarbon
10/11/2020	At the end of nightshift 841 water cart was parking at the rear of Howick workshop, when the operator noticed what appeared to be oil running out from under the workshop doors. The Supervisor inspected the area and identified a dripping oil delivery hose to be the source.	Absorbent material was used to create a bund around the drain. Free oil was pumped out of the drain and the remainder pressure washed into the oil water separator.	Hydrocarbon

	The estimated spillage was approximately 400L.		
27/11/2020	An excavator was operating on a bench when the hydraulic hose has blown spraying oil over the engine resulting in a fire in the engine bay. The oil loss was estimated at approximately 500L.	The machine was shutdown and fire suppression activated. The spill was contained and removed by a loader and taken to the bioremediation area.	Hydrocarbon
27/11/2020	PM10 exceedance recorded at Jerrys Plains Tapered Element Oscillating Microbalance (TEOM) monitoring station with a 24 hour measurement of 62.5 ug/m ³ .	An external investigation was undertaken which confirmed HVO's contribution of 10.7ug/m ³ against the North Pit consent which was communicated to the DPIE.	Air Quality
29/11/2020	PM10 exceedance recorded at Maison Dieu Tapered Element Oscillating Microbalance (TEOM) monitoring station with a 24 hour measurement of 106 ug/m ³ .	An external investigation was undertaken which confirmed HVO's contribution of 10.6ug/m ³ against the South Pit consent which was communicated to the DPIE.	Air Quality
3/12/2020	The TEOM at Warkworth ceased recording data following an electrical storm on the evening of 1 December 2020. The unit recorded 38.9% data capture for the 2/12/2020 below the 75% required to capture a valid sample under our Development Consent	This TEOM is operated by the Regulator who completed repairs and restored full functionality at 4:30pm 02 December 2020. Notified NSW Department of Planning, Industry and Environment.	Air Quality
3/12/2020	The TEOM at Knodlers Lane ceased recording data following an electrical storm on the evening of 1 December 2020. The unit recorded 45.8% data capture for the 2/12/2020 below the 75% required to capture a valid sample under our Development Consent and EPL.	The unit was inspected by Benchmark Monitoring who reset the power and restored full functionality at 1:10pm 02 December 2020. Notified NSW Department of Planning, Industry and Environment and will reported in the EPL Annual Return.	Air Quality
8/12/2020	At Cheshunt Barry's new rehabilitation area a fitting on a hydraulic hose failed on farm tractor undertaking rehab seeding. Estimated 60L of hydraulic oil spilled to mine spoil at edge of rehabilitation area following failure.	The operator responded immediately to alarms and tractor was shut down A temporary bund was constructed to contain the spilled oil prior to clean-up.	Hydrocarbon
8/12/2020	The PM10 and TSP High Volume Air Sampler (HVAS) units at the Kilburnie South site ran for only 62% of the day on 4 December 2020 below the 75% capture required for the Development Consent. The Warkworth TSP unit only ran for 2 minutes in the 24 hour period.	HVO's environmental monitoring contractor (AECOM) advised HVO of the run failures on 8 December when sample collections occurred. The residual current device (RCD) had tripped for the Kilburnie units, the cause of the Warkworth unit failure is unknown. Both units have run without failure on subsequent run days. Investigation into the HVAS failures is ongoing as part of an improvement programme for monitoring equipment. Notified NSW Department of Planning, Industry and Environment.	Air Quality

9/12/2020	During monthly rehabilitation and disturbance reporting it was identified that a surveyed disturbance area in Riverview was partially outside of the approved disturbance boundary. Ground survey confirmed mulching had occurred up to 1.4m outside of the pegged GDP boundary involving removal of 2 saplings.	Ecological inspection for the GDP also covered the unauthorised area of clearing, hence there was no risk of impacting protected species. No potential for archaeological impact as area had been previously salvaged. The saplings were inadvertently impacted by the mulcher when the machine was turning. GDP delineation process and assessment boundaries are being reviewed.	Clearing
10/12/2020	At 3:18pm operators reported a flocculant spill at the secondary floc farm at Howick. Approximately 2000 litres of mixed flocculant has exited the dosing tank. The flocculant has filled the bunded area and left the bunded area via an open drain valve. The flocculant has then ponded in a bunded area nearby.	The flocculant was contained in this area with no potential for offsite spillage. The spillage was subsequently cleaned up.	Chemical

3.0 Community Sponsorship and Events

Round Two of HVO's Community Grants Programme closed in October with a number of local organisations successful in obtaining funds totalling almost \$22,000 including:

- Singleton Heights Pre-School Inc - Smartscreen Education Technology
- Singleton PCYC - Singleton PCYC Open Day
- Hunter Valley Campdraft Club Inc - Hunter Valley Campdraft Club Arena
- Westpac Rescue Helicopter Service - Volunteer Support Groups Contactless Payment Devices
- Aberdeen Senior and Little Athletics Centre Inc - Technology Update
- Singleton Beef and Land Management (Weed Control Field Day)
- Singleton Fire Brigade (Santa Lolly Run)

In addition, HVO will continue to support the Jerrys Plains Public School's Jerrys Juniors and Ready4School pre-school programmes in 2021.

The Community Information Sessions were held at Jerrys Plains, Maison Dieu and Long Point in November and December 2020. The main issues raised by attendees included the realignment of Lemington Road as part of the HVO Continuation Project, noise, dust and feral animals.

4.0 Environmental monitoring

Monthly summaries of environmental monitoring; September to November 2020

September 2020

Attached as **Appendix A**

October 2020

Attached as **Appendix B**

November 2020

Attached as **Appendix C**

5.0 Environmental Documents

Environmental documents uploaded to the HVO Insite website since the last meeting (<https://insite.hvo.com.au/>)

23/11/2020	Hunter Valley Operations Environment Protection Licence 640 Monitoring Data October 2020
11/12/2020	Hunter Valley Operations Environment Protection Licence 640 Monitoring Data November 2020
16/12/2020	Hunter Valley Operations Monthly Environmental Monitoring Report September 2020
5/01/2021	Hunter Valley Operations - HVO News - Issue 6 - December 2020
8/01/2021	Hunter Valley Operations Monthly Environmental Monitoring Report October 2020
8/01/2021	Hunter Valley Operations Monthly Environmental Monitoring Report November 2020