



Port  
Hedland  
Industries  
Council

# Community Industry Forum

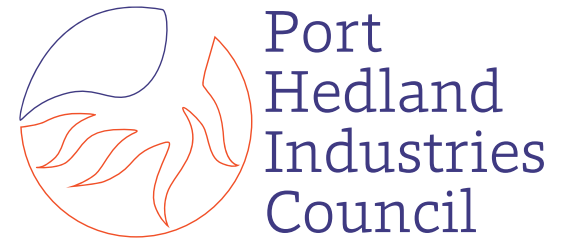
19 February 2020

# Agenda

- Introductions - all members of the PHIC CIF
- Confirmation of Minutes, 13 November 2019
- Terms of Reference - Deputy Chairperson Vote, Publication of Minutes
- PHIC Pilbara Producer and Exporter Forum Summary
- PHIC Air Quality Network and Taplin Street Monitor Update
  - Guest Speakers: Paul How and Peter Stidwell, EcoTech
- Discussion on future agenda items
- Action items, questions on notice and other business
- CIF Meeting schedule for 2020
- Site Tour Taplin Street
- Networking at WEB

# Introductions

PHIC acts collaboratively for the benefit of industry and the Port Hedland Community to ensure the long-term sustainable growth of the Port and the community.



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## Our Members

**BHP**



**Fortescue**  
The New Force in Iron Ore



# Terms of reference

1. Deputy Chairperson Nomination
2. Publication of CIF Meeting Minutes

# Pilbara Producer & Exporters Forum

## Lessons learned

- There is no competitive advantage to dust mitigation
- Dust Mitigation is just as important as safety
- Solutions are not just engineering, some can include greening & vegetation. Current research through Universities.
- Every site is unique but sharing knowledge can improve every site
- Members are planning further knowledge sharing opportunities

## TOGETHER WE ARE MAKING A DIFFERENCE



Port Hedland Industries Council's guiding principles of collaboration and information sharing were on show in November.

Port users have long acknowledged community concerns around dust and have worked tirelessly to improve outcomes over the past decade. Significant improvements have been made alongside ongoing growth of the Port.

But our focus is on continuous improvement. That's why industry came together last month for a forum focused on sharing knowledge and expertise to better understand operational, engineering and equipment challenges and to identify solutions that will enable us to continue to improve our performance on dust in Port Hedland.

PHIC's inaugural Community Industry Forum (CIF) was also held last month. The CIF connects all parts of the broader Port Hedland community.

These forums promote open and constructive communication and informed discussion.

By working together, we are working for a sustainable future.

To learn more visit [phic-hedland.com.au](http://phic-hedland.com.au)



# PHIC AAQMN and Taplin Street monitor update

- Established by PHIC in 2010 to support Taskforce
- Reference sites to capture cumulative dust in Port Hedland air shed
- Part of 8 monitoring stations in Port Hedland
- Measures PM10 – particulate matters less than 10 microns
- Compliant datasets - Australian Standard – hourly average measurement - daily average  $70\mu\text{g}/\text{m}^3/24$  hour period (displayed live on website at 10 min intervals)

# Management and calibration checks

- Hourly - BAM Unit automated calibration check
- 3 monthly inspections, checks and calibrations (PHIC request 2 monthly)
- 6 monthly inspections
- Annual full site inspection (combines 3, 6 and annual inspection tasks)
- Two-year inspections

Most stringent testing/inspection from:

- Australian Standards requirements
- PHIC requirements (3 monthly every 2 months)
- Manufacturer requirements
- Ecotech QA/QC requirements

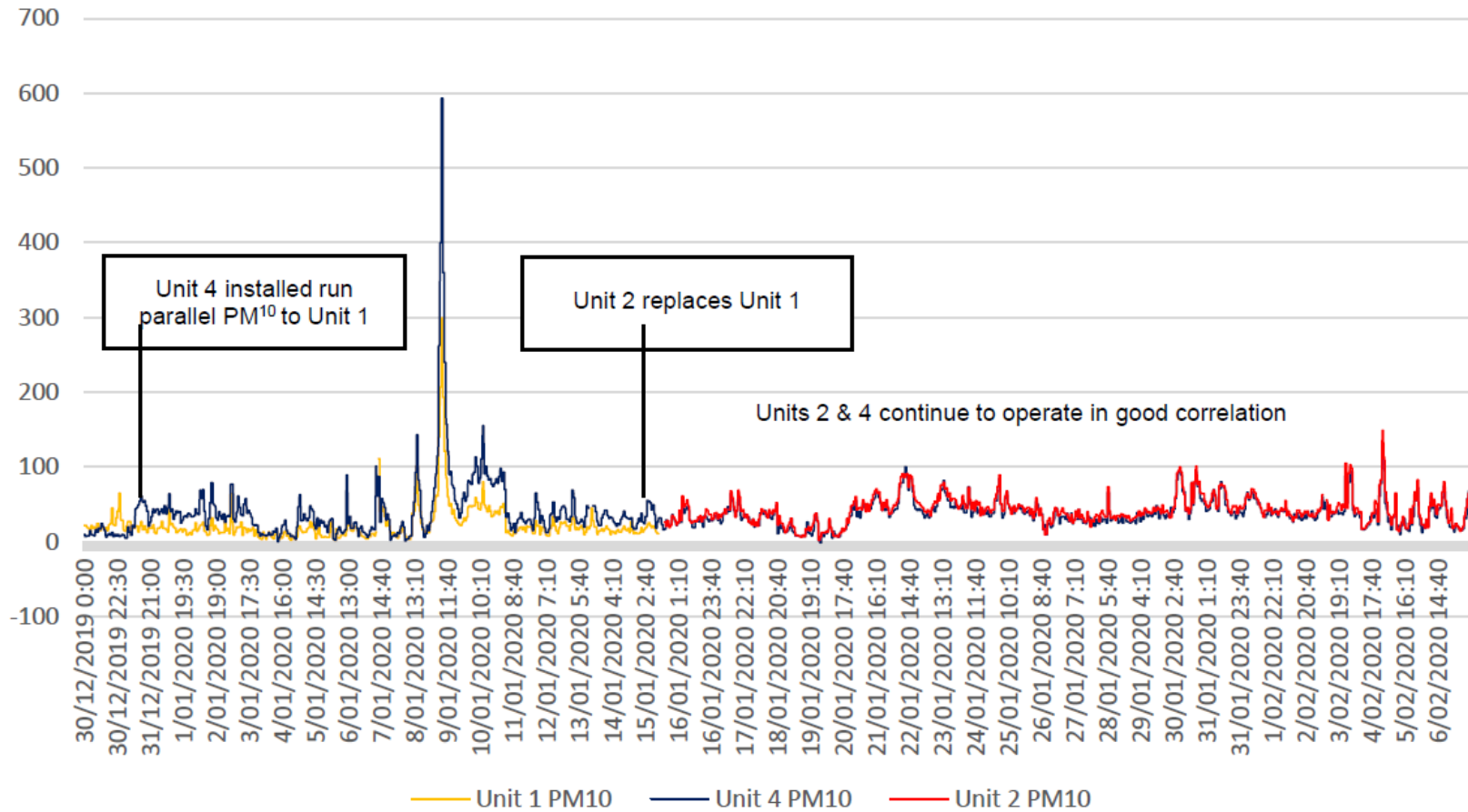
# Inconsistent readings – Taplin Street

- Inconsistent readings detected at Taplin Street monitoring station in Port Hedland Ambient Air Quality Monitoring Network
- PHIC launched investigation to determine nature of discrepancy (PM10), at Taplin Street monitor.
- The Regulator – DWER - advised and will be updated as investigation progresses.
- 23 Jan – inconsistent readings confirmed
- Investigations commenced immediately and ongoing to determine nature of discrepancy.



# BAM PM10 comparison

## Comparison of BAM PM10 under Test

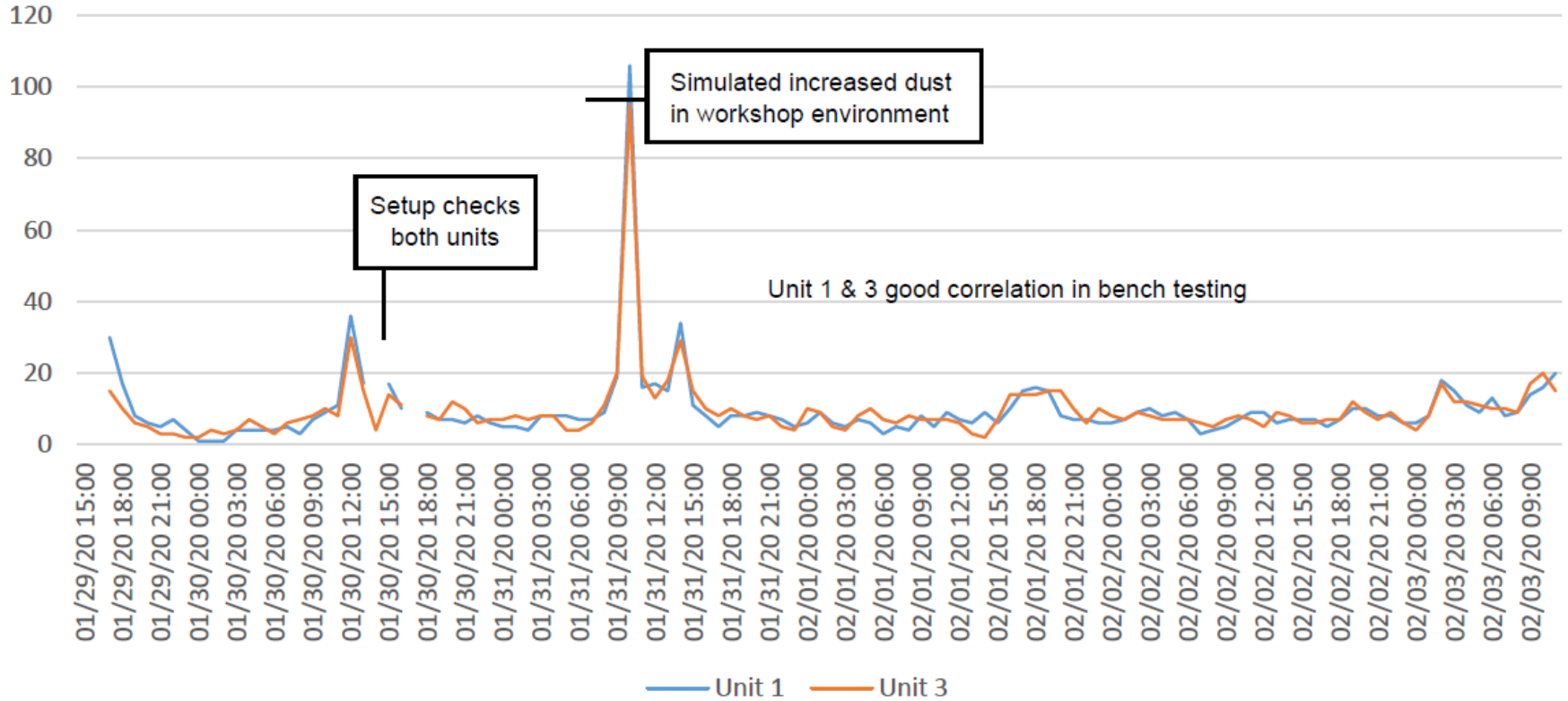


# Investigations

- Preliminary instrument data review (31-15 Jan results)
- All regular and additional calibrations/checks from this time within normal tolerances
- Internal audit on all maintenance checks and calibrations
- Instrument moved from Port Hedland to Perth workshop for comparison testing

# Workshop investigations

## Workshop Bam Comparison (Perth)



# Investigations

- Since removed, instrument and ancillaries not repeating low readings
- Unit sent to manufacturer for testing – preliminary report expected 3-4 weeks
- No conclusive root cause established to date
- Hi-vol installation at Taplin Street (3<sup>rd</sup> monitor) to provide different data capture methodology (gravimetric) – 24hr daily average
- Comparison checks with co-located hi-vols planned for each site – Richardson set up as first location
- Launched independent audits against:
  - Maintenance procedural audit against calibrations and checks
  - 3<sup>rd</sup> party site inspection on procedures and practices for parallel monitor

# Communications

1. Investigation commenced
2. Notified DWER and Govt stakeholders
3. Community Industry Forum briefing and Taplin Street site tour
4. Wider community announcement
5. Ongoing information sharing with interested/engaged stakeholders
6. Capture learnings

# Future agenda items

## Other topics for discussion

Please let us know what items you would like to discuss or add to the next agenda

# CIF Meeting Schedule

## Quarterly meeting dates for 2020

- Wednesday 13 May
- Wednesday 12 August
- Wednesday 11 November



# Action items, questions and other business





# Site tour – Taplin Street

1. Hi-vis vest and enclosed shoes
2. Escorted at all times by Peter and Paul by Ecotech
3. Small groups
4. Station in operation – scientific environment
5. Please take precautions not to impact on instrumentation
6. Please listen to instructions from Peter and Paul from Ecotech