

## Lagoon Road Air Quality Infrastructure Upgrades - Community Engagement

### July 2025 Community Update

#### Planning and Licensing Approvals (compliance action 1)

- Planning advice has been sought by TFI through a third-party specialist planning consultancy who have assisted to confirm what site improvement items are required to seek planning approval prior to implementation and those that can commence without planning approvals
- A planning application has been prepared to capture the following key work items:
  - Cooker building door installation
  - Blood building door installation
  - Save-all building roof replacement
  - Mechanical extraction roof fan installation
- A process change application has been prepared, issued and approved by the SA EPA supporting site works to commence in August 2025

#### Review & Restoration of the Biofilter Odour Control System (compliance action 2)

- TFI have engaged a third-party specialist air quality engineering consultancy to undertake a detailed review of the biofilter system from a condition and performance assessment perspective
- A biofilter equipment/inventory list has been prepared which identifies some opportunities for improved air quality capture and treatment within the existing biofiltration system
- Works have commenced to return/restore any equipment/process opportunities back to full biofiltration service requirements

#### Improved Building Containment – Main Cooker Processing Building (compliance action 3)

- TFI have completed a competitive pricing process and engaged a contractor to commence improved building containment works in August 2025
- To achieve improved building containment the following key work items will be undertaken:
  - Seal all existing building openings
  - Existing openings located in the side of the building will be sealed using galvanised purlins and powder coated sheet steel
  - Existing openings in the roof of the building will be sealed using galvanised purlins and powder coated sheet steel
  - Custom made galvanised flashing will be installed to completely seal the area between the roofing and existing brick wall
  - Stainless steel flange channels will be installed to create a framework for installation of heavy-duty industrial roller door at the current side open air access area
  - Expandable foam will be used to seal any smaller gaps

#### Improved Building Containment – Blood Processing Building (compliance action 4)

- TFI have completed a competitive pricing process and engaged a contractor to commence improved building containment works in August 2025
- To achieve improved building containment the following key work items will be undertaken:
  - Seal all existing building openings
  - Existing openings located along the front of the building will be sealed using galvanised purlins and powder coated sheet steel

- Existing openings in the roof of the building will be sealed using galvanised purlins and powder coated sheet steel
- Custom made galvanised flashing to be installed to completely seal the area between the roofing and existing brick wall
- Stainless steel flange channels will be installed to create a framework for installation of a heavy-duty industrial roller door at the current front open air access area
- Expandable foam will be used to seal any smaller gaps

#### Improved Building Containment – Save-all Processing Building (compliance action 5)

- TFI have completed a competitive pricing process and engaged a contractor to commence improved building containment works in August 2025
- To achieve improved building containment the following key work items will be undertaken:
  - Seal all existing building openings
  - New purlins and beams will be installed to support complete roof replacement with powder coated roof sheeting
  - New galvanised roof beams, stiffeners and purlin brackets will be installed along the roof structure
  - Custom made galvanised flashing to be installed to completely seal the area between the roofing and existing brick wall
  - Expandable foam will be used to seal any smaller gaps

#### Installation of Mechanical Building Ventilation Fans (compliance action 6)

- TFI have confirmed the recommended fan specification as directed by the third-party specialist air quality engineering consultancy engaged to provide technical advice
- TFI have completed a competitive pricing process and engaged a contractor to assist with installation of the mechanical building ventilation fans once appropriate approvals are issued to commence
- To support mechanical fan installation the following key work items have been undertaken:
  - Design airflow extraction rate confirmed by an independent air quality expert
  - Centralised airflow strategy developed targeting odour accumulation of fugitive emissions within high odour areas
  - Fresh air supply points designed to draw fresh air supply via engineered air openings
  - Manufacture and install custom steel brackets to support and house the new mechanical extraction fans in the selected roof locations
  - Install 4 mechanical building ventilation air extraction fans with vertical discharge configuration into the advised locations by the independent air quality specialist

#### Enclosing Open Wastewater Trenches and Steam Lines (compliance action 7)

- TFI have completed a competitive pricing process and engaged a contractor to commence improved building containment works in August 2025
- To achieve sealing the open wastewater trenches and steam lines the following key work items will be undertaken:
  - Manufacture and install stainless steel end plates to seal the existing open air wastewater inlet trenches
  - Connect stainless steel tubes and fittings to enclose the wastewater transfer channels
  - Install stainless steel pipework consisting of nominal 200mm diameter pipe for wastewater transfer

- Install stainless steel braces suitable for installation of stainless steel checker plates over existing trenches to improve steam and odour capture

Process Optimisation of Odour Collection & Control System (compliance action 8)

- TFI have engaged a third-party specialist air quality engineering consultancy to undertake a detailed review of the odour collection & control system
- These works will commence following the successful completion and installation of all site upgrade works

Community Consultation EIP Updates (compliance action 9)

- Public access to the EIP has been made available on the TFI website following formal EPA approval of the EIP
- TFI will prepare targeted community progress updates which will be issued to all interested stakeholders:
  - Website updates – all relevant information regarding EIP site improvements and upgrades will be updated at 3 monthly intervals
  - Email communication – TFI will provide 2 monthly updates to all survey respondents and any other interested community stakeholders

Develop and Submit an Odour Management Plan (compliance action 10)

- TFI have engaged a third-party specialist air quality engineering consultancy to prepare an odour management plan for the site
- Works associated with development of an odour management plan have commenced and will occur in parallel with site improvement and upgrade works currently occurring onsite