



**By 2030 eThekweni will be Africa's
most caring and liveable city**



TONGAAT HULETT SUGAR ANNUAL PERFORMANCE REVIEW

eThekweni Health, 14 March 2023



PERMIT MODULES

- Scheduled Activity Process
- General permit conditions
- Air Quality Management
- Occupational health and Safety
- Major Hazard Installation
- Environmental Noise / Integrity Management
- Emergency Response & Contingency Plan
- Food Safety Aspect
- Waste Management



Scheduled Activities Bylaws

August, 2020

- Section 5(1) No person may-
 - (a) and (b) Commence, carry on a Sch activities operation listed in Schedule 1, without permission of Municipality.



Schedule 1 listed Activities

- Abattoirs, Acid works, Alkali works, ammonia works, Animal and fish products process, Asbestos transportation, Asphalt plants, Battery manufacturing, Bitumen works, Breweries, Chrome and Chromate works, Crematoria, Chemical products processing, Engineering works, Distillery, Fertilizer works, Food Manufactory, Foundries and Metal works, Gas works, Refining, etc. any other activity as per **Section 5(10)**.



Scheduled Trade Process

This is a system, the components of which are interdependent. Individual components are of little use as stand-alone items:

Initial Application

Identified impacts
Predicts critical focus areas
Proposes mitigation

Permit

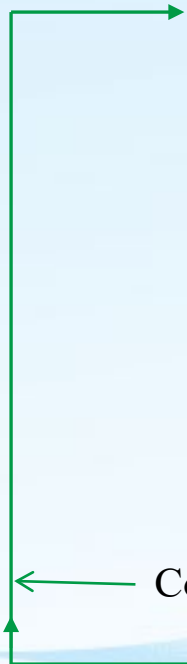
Sets
•Operating conditions
•Performance requirements
•Emission limits
•Compliance monitoring requirement

Annual Performance Meeting Report

•Company must demonstrate compliance / noncompliance
•Ability for stakeholders to make input

Audit

Verification of detail



Comply

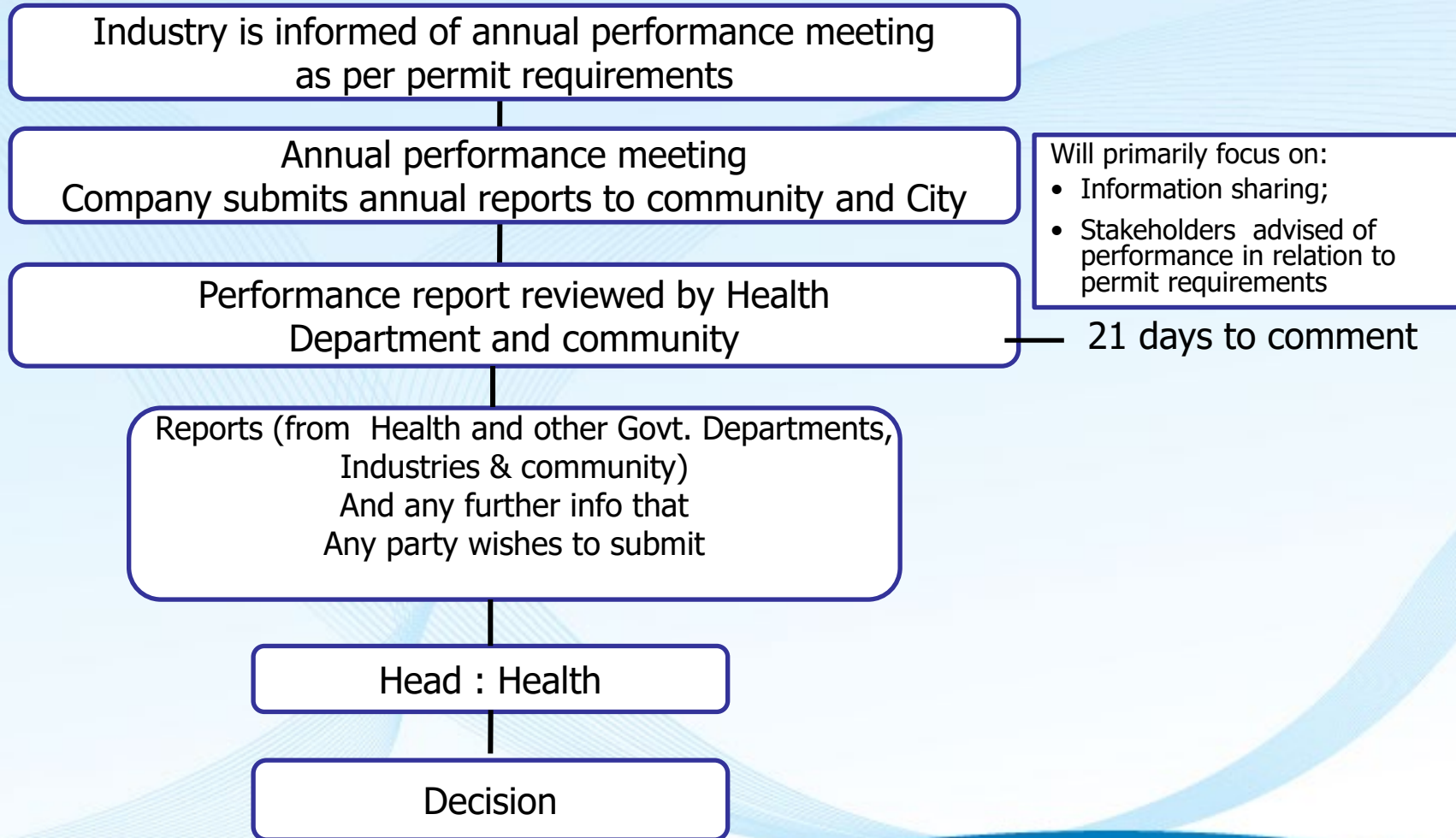
Noncompliance

Permit Reviewed

Corrective action



Scheduled Trade Annual Performance Review Process





Tongaat Hulett Refinery

- Registration No 1965/000565/06
- 444 South Coast Road Clairwood
- Tongaat Hulett Refinery was issued with a 5 year Permit as per **Scheduled Activity Bylaws, Sec 5(7)**
- 10/01/2022 to 30 December 2026



General conditions

- Entails:
- No nuisance to be generated by the plant likely to impact public health.
- No alterations without approvals
- Permit is issued base on continuous improvement
- Indemnity clause.



AIR QUALITY MONITORING PROGRAMME

- Maintain Air Quality Monitoring
- Small Boiler Emission Standards:

Priority Pollutant	Mg/ Nm³
Particulate Matter	250
Sulphur Dioxide	2800



OCCUPATIONAL HEALTH & SAFETY

- Occupational Health and Safety programme must comply with the requirements of the Occupational Health and Safety Act and include undertaking:
 - Occ Health and Safety risk assessment
 - Medical monitoring surveillance
 - Major Hazard Installation Risk Assessment.
- Companies-needs to inform eThekweni Health immediately of any adverse health impacts or trends identified.



Occupational Health & Safety

- Continually identify all potential Occupational Health and Safety Hazards risks risk assessment.
- Conducts issued based risk assessments: eg noise, chemical hygiene surveys and other stressors
- Any hazard/risk at a level which may pose a health risk or safety risk, THS Refinery is expected to:
 - List method to control health risks
 - Details of health and safety training



Medical Surveillance

- Lung function test
- Chest x rays
- Audiometric



Major Hazard Installation

- THS Chlorine facility constitutes an MHI
- THS is required to undertake comprehensive, qualitative risk assessment in every 5 yrs.
- THS to implement recommendations of the report.



Integrity / Noise Management

- THS must implement integrity management plan for plant and equipment.
- Undertake Noise Assessment to ensure compliance with SANAS 10103:2008



FOOD SAFETY & SECURITY

- Maintain implementation of the Food Safety Management System and an independent consultant to undertake food safety audit.
- Action plan dealing with food safety audit findings to be submitted to eThekweni Health.



Water Quality Management

- TH is required to maintain & implementation water quality monitoring program.



WASTE

- Implementation waste management system
- Formulate a waste prevention, elimination, treatment, minimization strategy
- Company needs to comply NEMA : Waste Act 2008



Coal Usage

- TH must sourced coal with maximum of 1% Sulphur content.
- Undertake coal testing to ensure compliance.
- TH must ensure continual improvements to ensure Clean Production



Complaints Management System

- Tongaat Hullets must maintain a complaint management.
- Keep tall of complaints lodged and
- Report complaint attributed to the facility.



EMERGENCY RESPONSE & CONTINGENCY PLAN

- The conditions for incident reporting are based on the reporting requirements as detailed in the NEMA.



CONCLUSION

Tongaat Hulett must continue to demonstrate & ensure;

- Continuous Environmental Improvement
- Adherence to an EMP
- Adherence to regular meetings with EH (feedback on all projects, priority pollutants and exceedances).



**Presented By Sipho M Shangase :
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