



**Nyrstar, Port Pirie, SA,  
Australia**



**Teck, Trail, British Columbia,  
Canada**



# TLAP AGREEMENT

- 10-year agreement, between Nyrstar Port Pirie and the State Government, commenced 2014.
- New Governance arrangements were put in place in mid-2021 following an independent review.
- TLAP Board:
  - Dale Webb and Todd Milne (Nyrstar)
  - Dr Paul Heithersay (CE DEM)
  - Sandy Pitcher (A/CE DHS)
  - Prof Nicola Spurrier (CPHO SA Health)
  - Leon Stephens (Mayor of PPRC)
- Full time Executive Director (me)
- Will be extended to 2034; negotiations underway.





Targeted Lead Abatement Program

For the future  
we all want.

1. House & Land Remediation
2. Community Health
3. Strategic Projects
4. Clean Community
5. Community Engagement



# ACHIEVEMENTS

- Social Impact Assessment leading to increased participation
- Increased caseworker resources & subsidised childcare
- Comprehensive road sweeping & footpath cleaning program
- Homes & Houses - lead remediation program
- Collaboration with PP Regional Council on greening programs
- TLAP Community Reference Group
- "Here's What Matters" engagement campaign

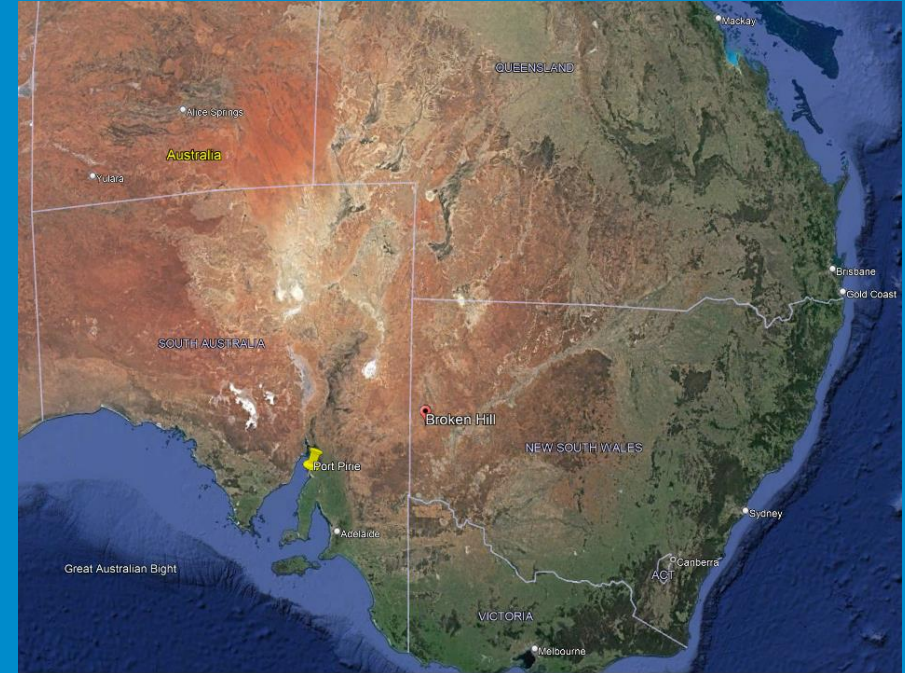
# **NEXT STEPS**

- Extension of TLAP agreement until 2034 (currently being negotiated)
- Enhanced cooperation between a wide range of State Government agencies with an interest in Port Pirie
- Precinct wide remediation of high risk areas rather than a focus on individual homes.



# Port Pirie Lead Investigation Group

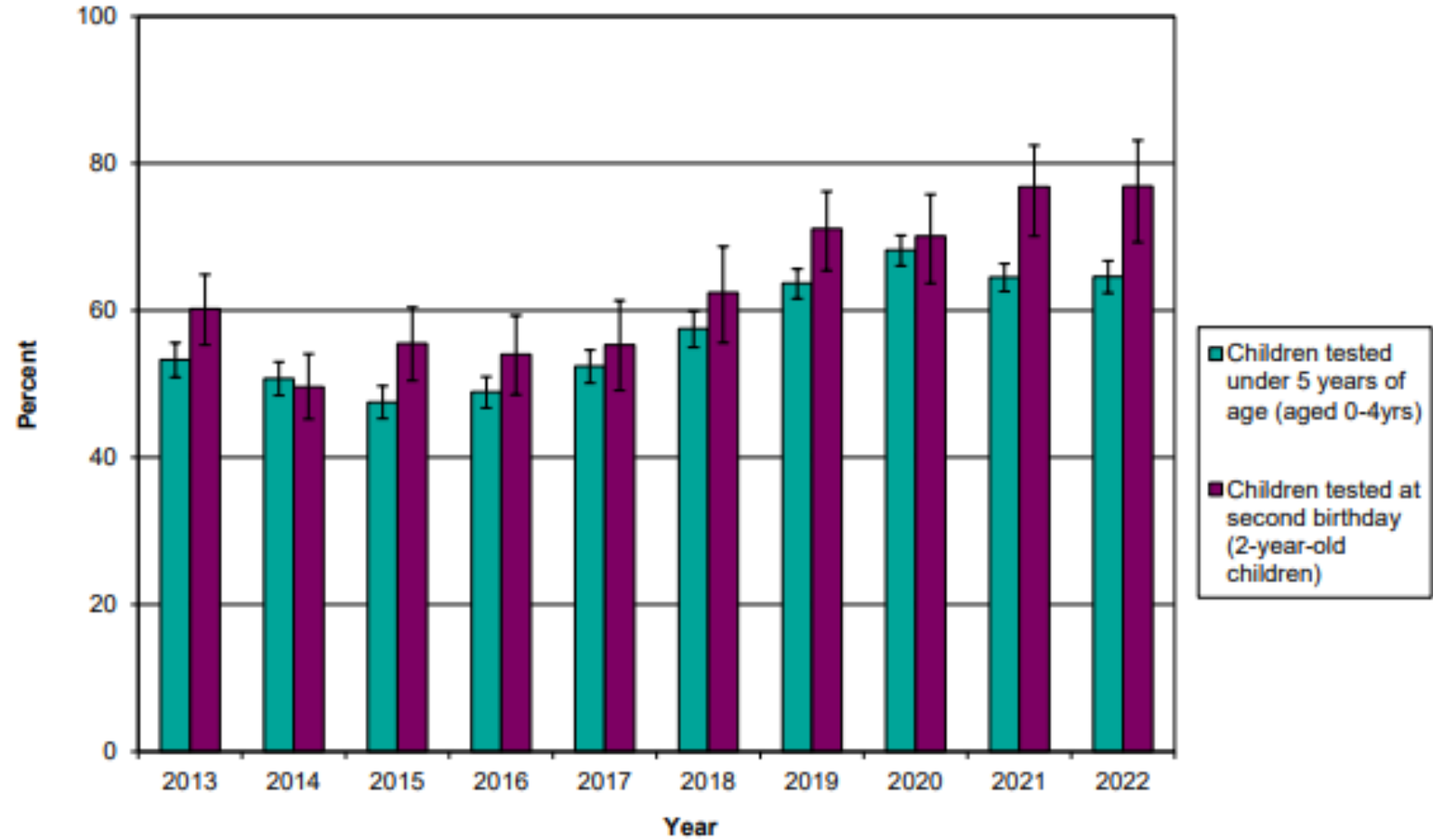
- Latest blood lead results
- EHC support
- Research



Government  
of South Australia

SA Health

# 2022 Blood lead data for Port Pirie



## EHC support

- > Environmental sampling training and interpreting results
- > Extensive in home sampling using XRF



- > Literature review for complex questions



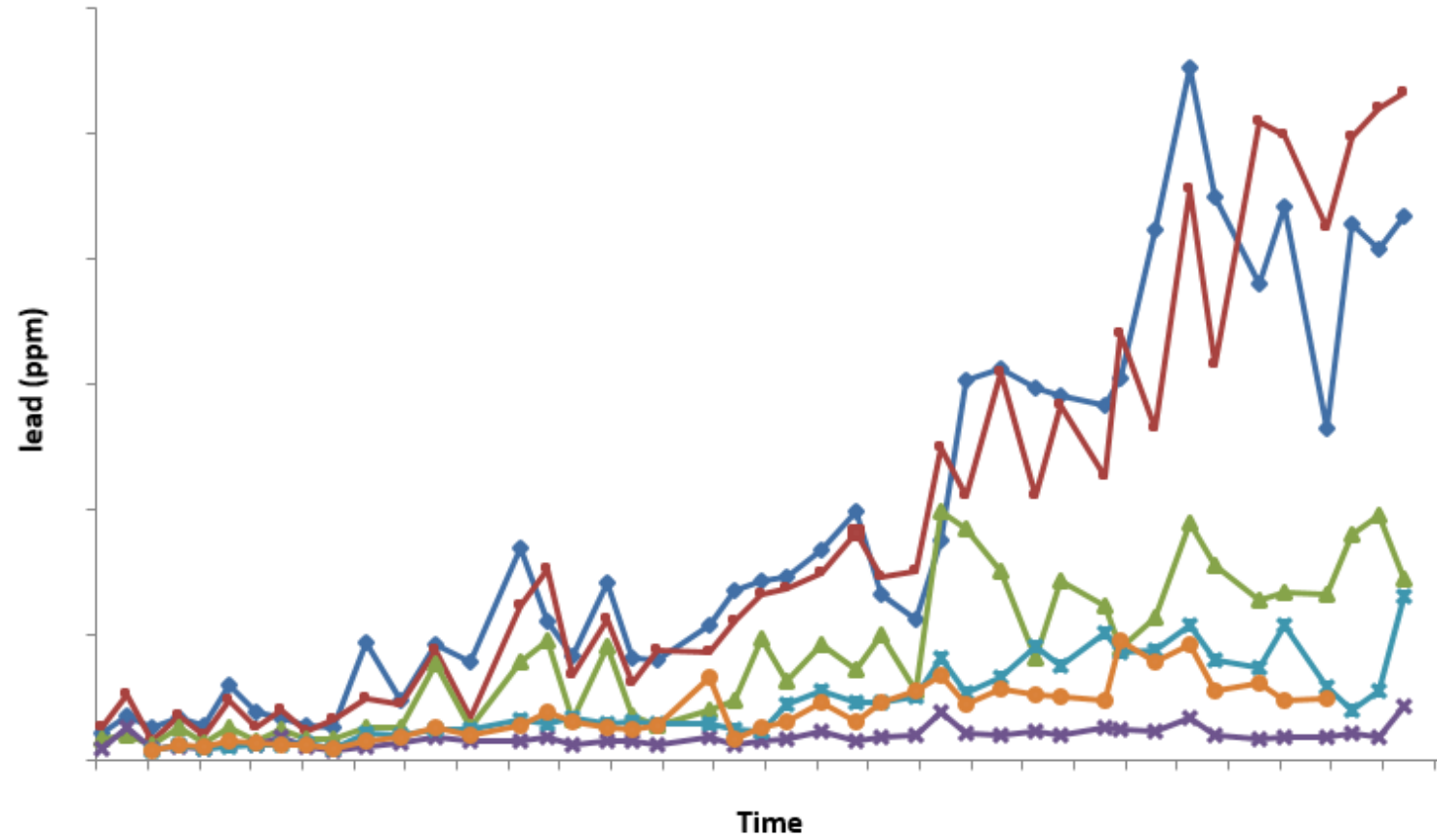


# Lead research

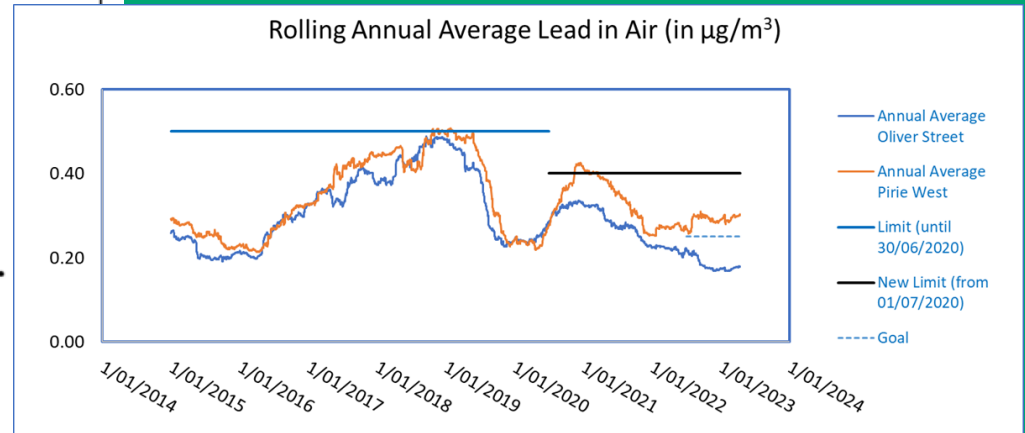
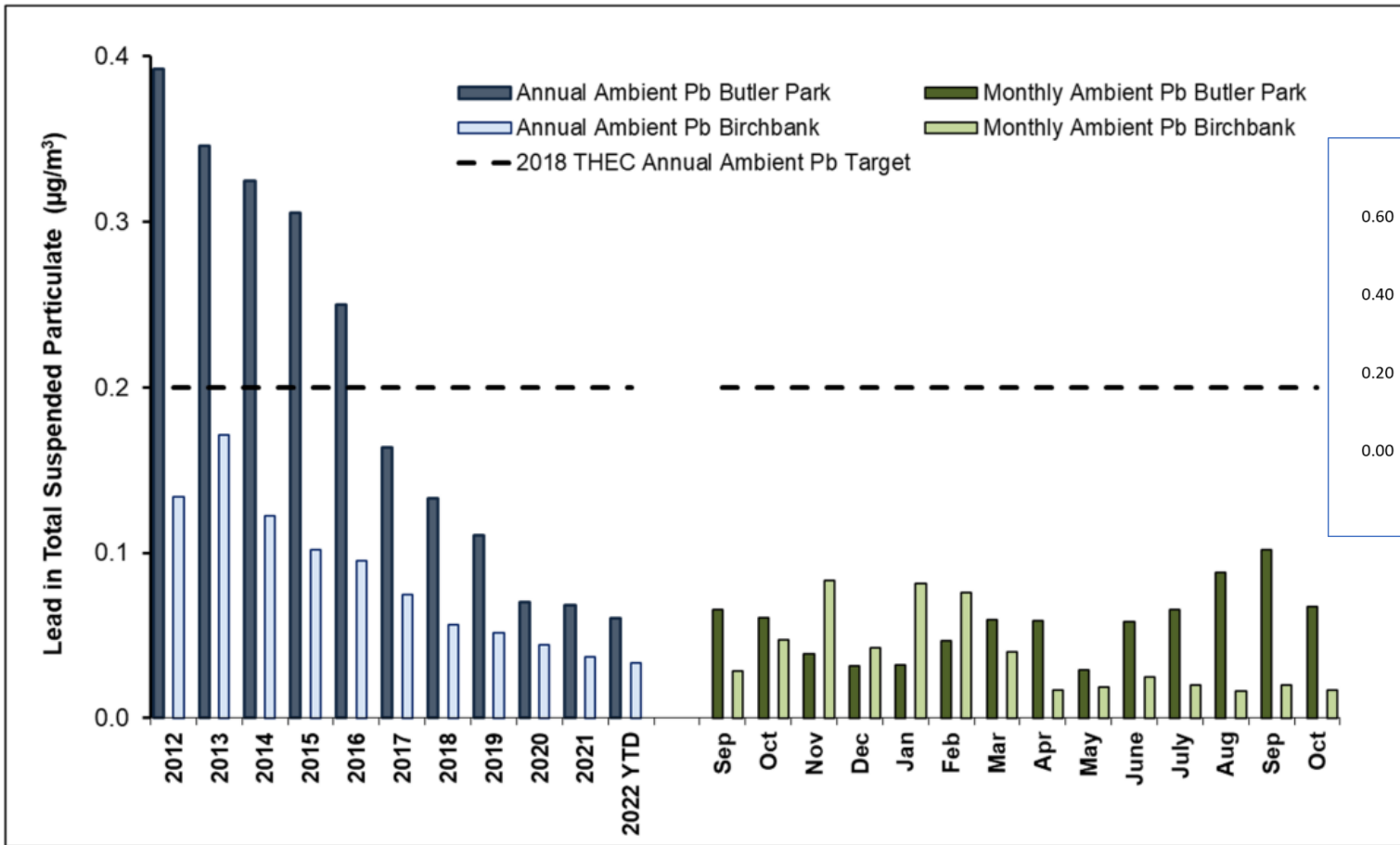
- Recontamination study – indoor and outdoor
- Directional dust deposition gauges
- Dust characterisation



# Soil recontamination



# Performance – comparison, LIA annual



- Lessons learnt
- Focus for the future – plant stability AND fugitive emissions
- More investment needed

Figure 2: Annual and monthly average lead at Butler Park and Birchbank stations (as total suspended particulate measured bi-daily)



# The 2023 licence will (likely) include




**PROGRESSIVE LEAD-IN-AIR (LiA) LIMIT and TARGET REDUCTIONS OVER FIVE YEARS**



**ADAPTIVE MANAGEMENT APPROACH**




**SULPHUR DIOXIDE (SO<sub>2</sub>) EMISSIONS LIMITS**



**WASTE WATER DISCHARGE IMPROVEMENTS**



**ELIMINATION OF OPEN STOCKPILES OF LEAD BEARING MATERIAL**



**STREAMLINING MONITORING AND REPORTING**



**LiA GOAL TO BE ACHIEVED IN THIS LICENCE PERIOD**

