









# Safety, Security, Health & Environment Report

## April 2021

**Our Goal:  
Nobody Gets Hurt**



# Scorecard

Key Performance Indicators		2021 Target	Monthly Actual	YTD Actual	Tracking YTD
SAFETY	Lost Time Injury Frequency Rate*	0.05	0.00	0.00	
	Lost Time Injury Frequency Rate Rolling 12 Mths*			0.00	
	Total Recordable Injury Frequency Rate*	0.52	0.00	0.48	
	Total Recordable Injury Frequency Rate Rolling 12 Mths*			0.61	
	Significant Incident Frequency Rate*	0.81	0.00	0.48	
	Significant Incident Frequency Rate* Rolling 12 Mths*			0.84	
	Overdue Actions (90% actions closed out before due date)	90%	85%	84%	
	iLEAD OTML (357) – revised to including Major Hazards Inspections	>95%	78%	78%	
HEALTH	Contractors Management ( Target 132) ( Roll out planned for Q2 )	80%	-	-	
	Contractor Advance Safety Awareness (monthly target 30 Managers & Supvr.) (Roll out planned for Q2)	350	-	-	
	Follow up of High Risk Medical cases (Mandatory Medicals completed)	60	185 308%	432 180%	
ENVIRONMENT	% Sulphur (30DMA) in tails	≤ 1%	0.4%	0.7%	
	Environmental Action Close out	90%	65%	80%	

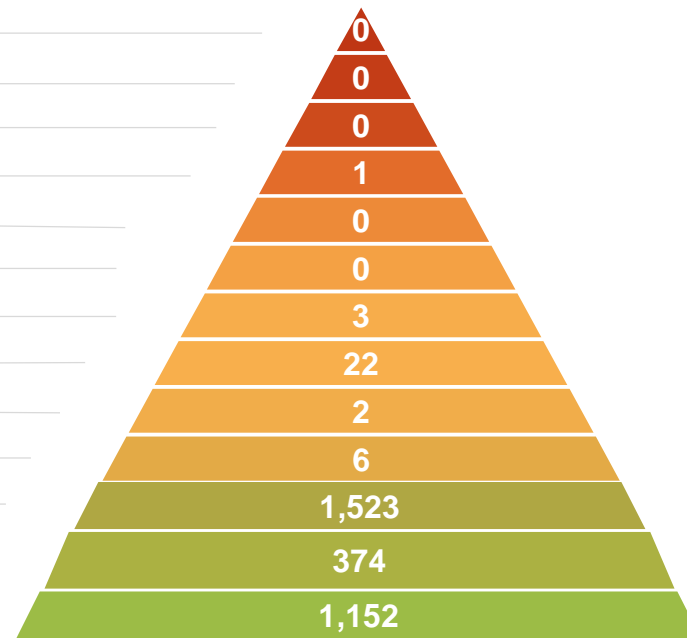
Note: \* Includes OTML and Contractors

**Days since last LTI - 573**

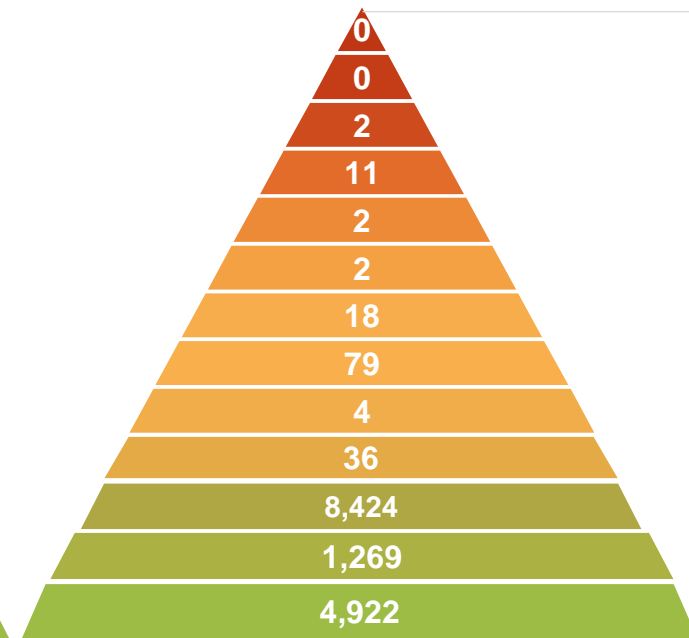


# Lead & Lag Indicators

Fatality \_\_\_\_\_  
 LTI \_\_\_\_\_  
 RWI/MTI \_\_\_\_\_  
 First Aid \_\_\_\_\_  
 Significant Incident \_\_\_\_\_  
 Fire/ Explosion \_\_\_\_\_  
 Vehicle Incident \_\_\_\_\_  
 Equipment/Property Damage \_\_\_\_\_  
 Environment \_\_\_\_\_  
 Near Miss \_\_\_\_\_  
 Inspections \* \_\_\_\_\_  
 Hazard ID \* \_\_\_\_\_  
 Observation & Interaction \* \_\_\_\_\_



April 1,137,853



2021 4,151,405

↑ Lag indicators  
 ↓ Lead

\* Includes OTML and Contractors

## Commentary

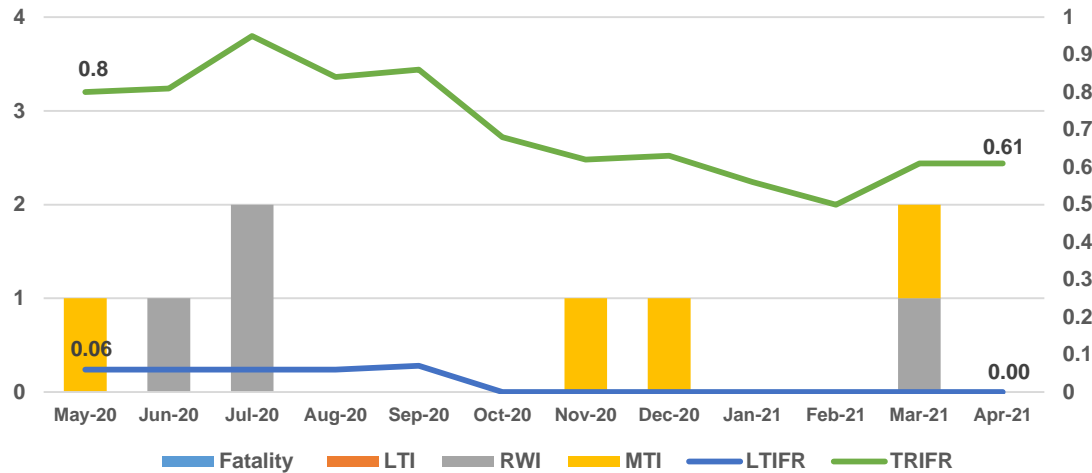
- Nil (0) Recordable Injuries and Significant Incidents reported for the month.
- Reduction in Significant & TRI compared to the same time (April'20) last year.

## Focus Areas

- Major Hazard Focus “ Safety Restart and COVID 19”

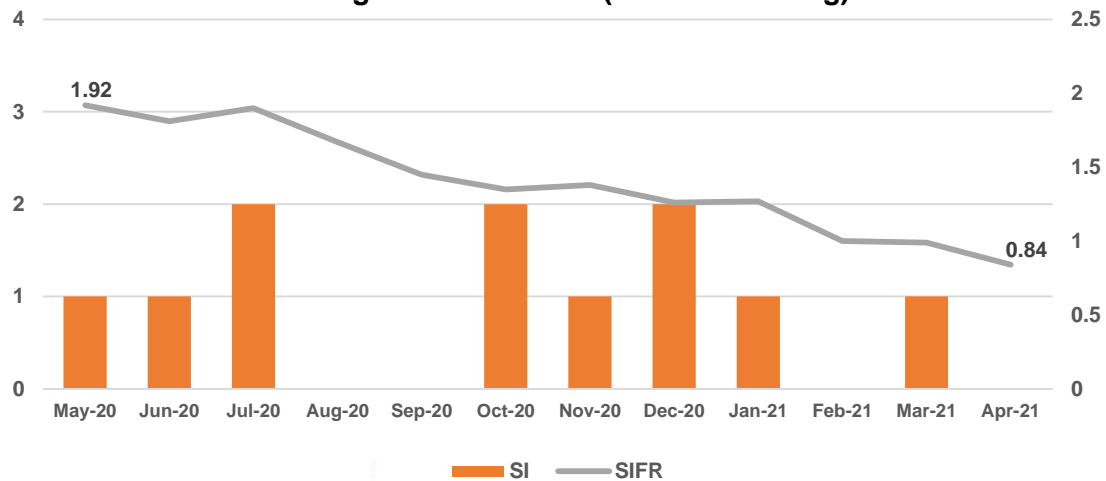
# LTIs, TRIs and SIs

TRIFR & LTIFR (12 month rolling)



- Improvement in the LTIFR and TRIFR for month compared to results 12 months prior.

Significant Incident (12 month rolling)



- Continues Improvement in the SIFR trend.

# Outstanding (TRI & SI) Investigations

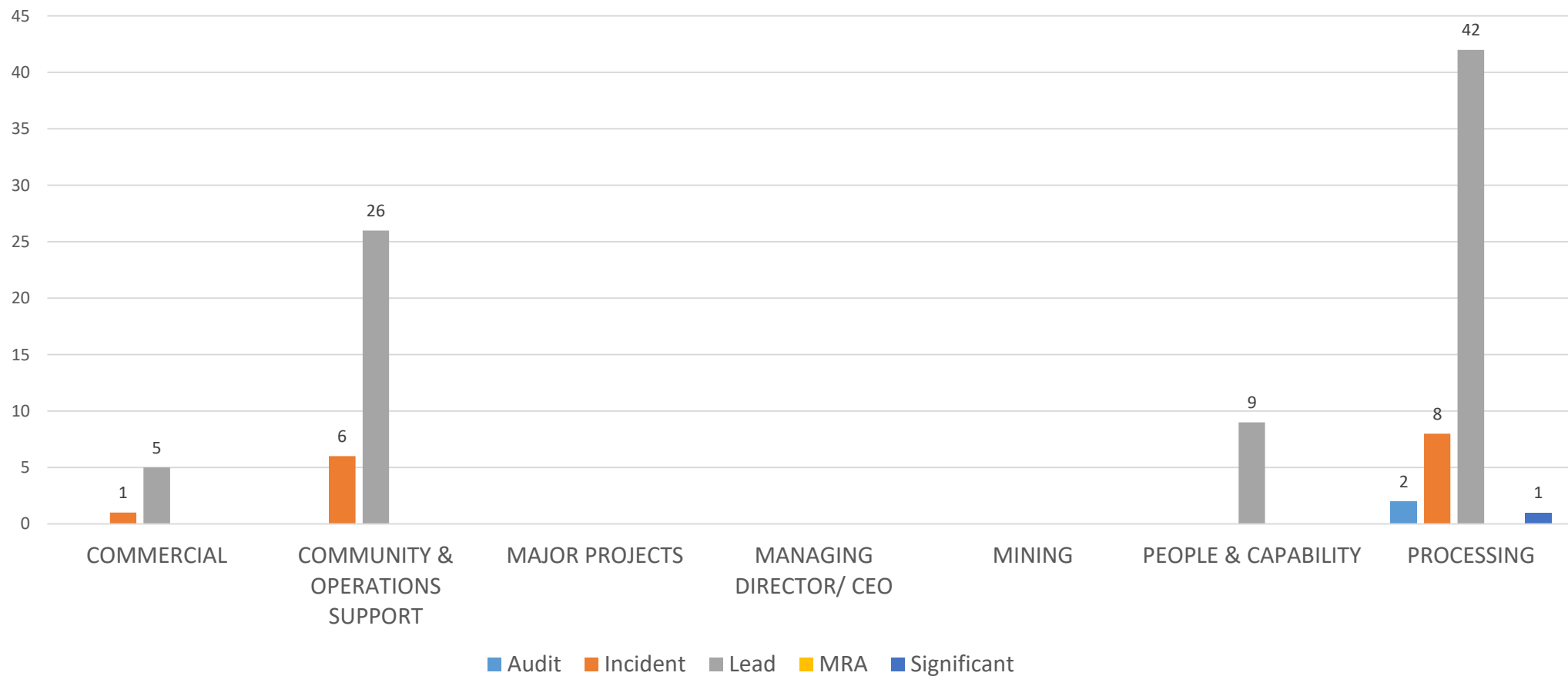
Date	INX Ref ID	Responsible BU	Description	ICAM Status	Hazcom	Actions / Total Open	INX In-control Close out Status
19/03/21	56499	People & Capability	Covid 19 Outbreak	Pending	Pending	0	Investigation Pending

*Note: All 2021 TRI and SI Investigation reports closed out except for above - Ref 56499*

## Commentary

- Improvement with timely close out of Investigation reports for TRI and SI.

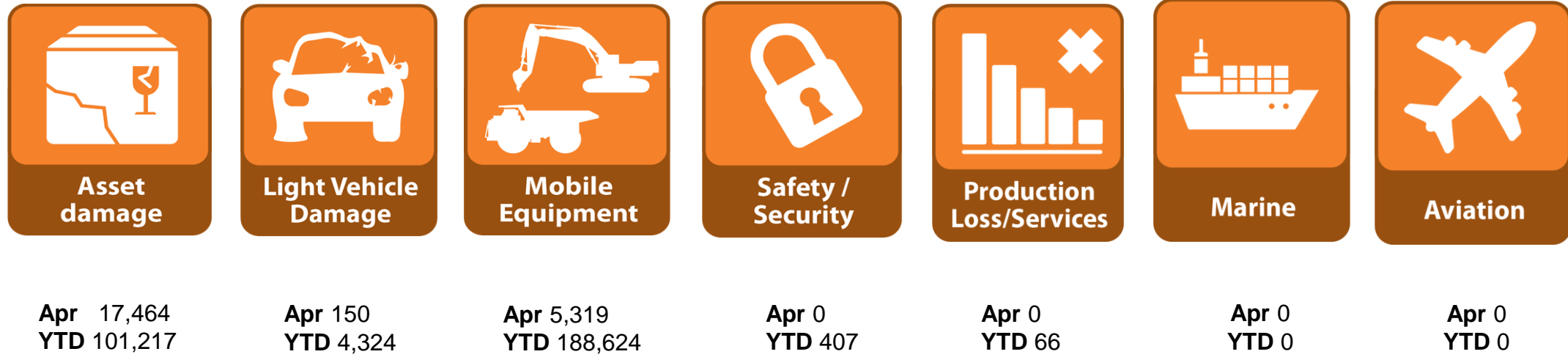
# Overdue Actions



## Commentary

- A total of 100 overdue actions as of 30<sup>th</sup> April

# Incident Damage Costs (USD)



## Commentary

- Improvement focus with registering costing information in system.

# Security



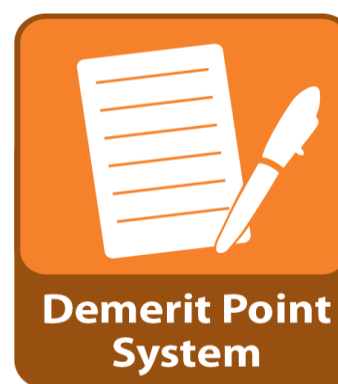
**Apr-** 16,738  
**YTD-** 75,695 (2+)



**Apr -** 489  
**YTD –** 2,111



**Apr -** 3  
**YTD-** 35



**Apr -** 13  
**YTD -** 57



**COVID 19 Control Measures**

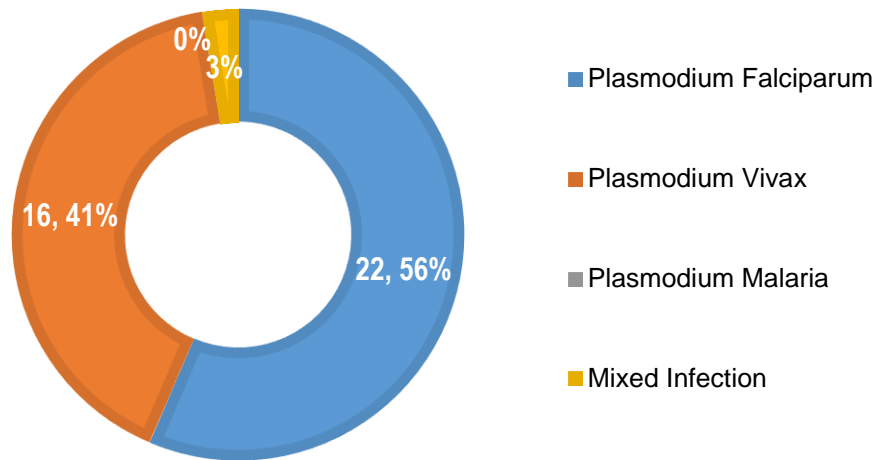
## Commentary

- 16738 tests conducted site wide – Nil positive detected
- 489 random drug wipe tests conducted site wide- Nil non negative (positive) detected
- 3 ADAS camera notifications captured during the month
  - Nil Mine Haul trucks
  - 3 Other Trucks
    - ✓ (1xOTML Bus) – 1x unsafe( 1xsmoking)
    - ✓ ( 2xOTML Buses) – 2x Dangerous activities (eyes closed)
- 13 Demerit points Notices issued – (2xDrive without care, 2xUnregistered vehicle, 2x Fail to conduct pre start checks and 1 each of Smoking, expired Drivers license, fail to use turn signal, overloading passengers, park incorrectly, vehicle condition(other) & Vehicle condition (critical).

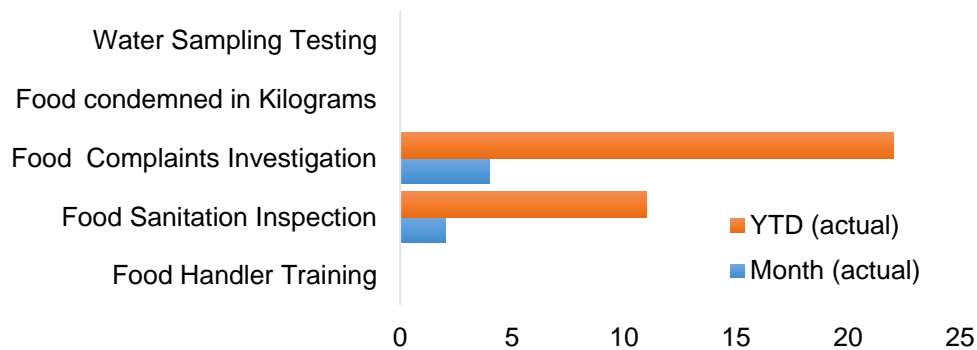


# Health

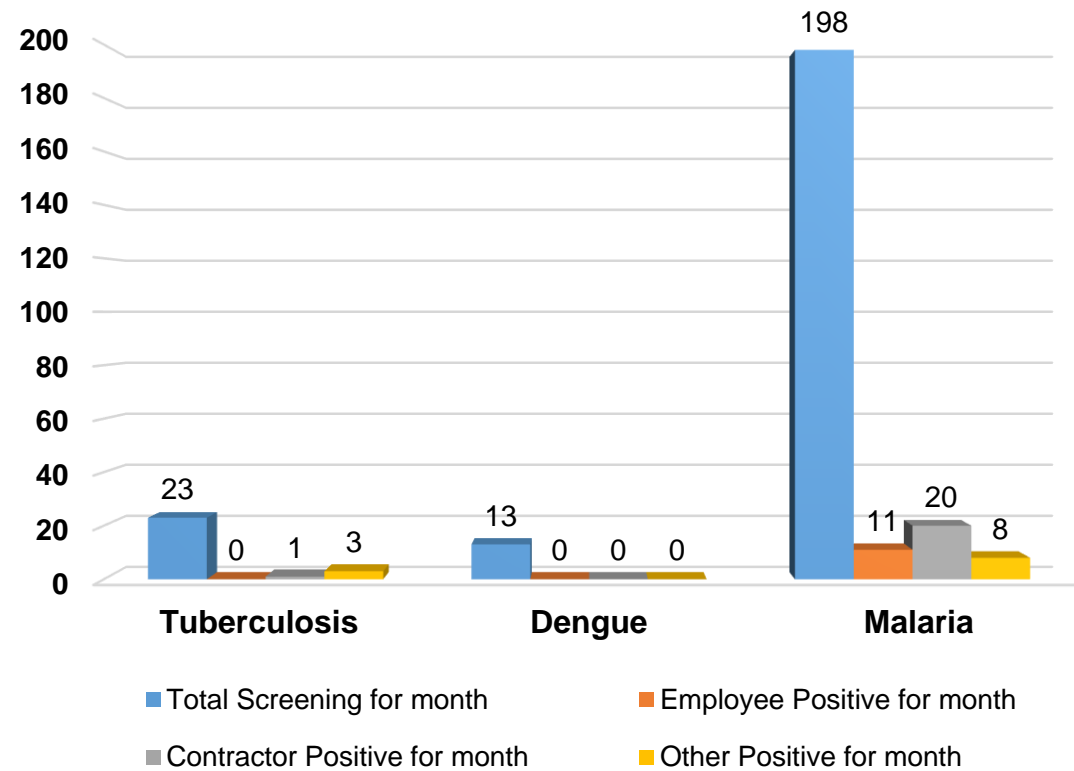
## Monthly Plasmodium



## Hygiene (Month & YTD)



## Monthly Tuberculosis, Dengue, Malaria



# Environment

Environmental Performance				
Indicators	MTD	YTD	YTD (Closed)	YTD (Open)
Incident	3	5	2	3
Incident Closed (Target 90%)	0	40	Not Applicable	
Inductions (Contractors + OTML)	73	341		
Status of Rehab (Target 50ha)	0	8.0		
Hydro power generated (Target 80%)	99.8	95.6		
Quantities of waste oil recycled (kL)	75	273		
Environment Actions Closed (Target 90%)	65	80		

KPI	ANC/MPA YTD (dredged sediment)	ANC/MPA 30DMA (dredged sediment)	% sulfur 30DMA (TPP Tails)	% sulfur 90DMA (TPP Tails)	NAPP 30DMA (TPP Tails)
Apr 21	2.8	3.1	0.4	0.6	-44.0
Target	≥ 2.0 ●	≥ 2.0 ●	≤ 1.0 ●	≤ 1.0 ●	≤ -30.0 ●

## Environmental Incidents

- Three incidents reported. Out of the two level 2 incidents, one ranked potential severity level 3. Cucon pipeline release of contaminated water due to vandalism at KM44.

## Summary

- TPP tails NAPP 30 DMA of -44.0 kg H<sub>2</sub>SO<sub>4</sub>/t to 30 April is below the -30 kg H<sub>2</sub>SO<sub>4</sub>/t target value hence met the set target.
- Both 30DMA and 90DMA sulfur in TPP tails are within the ≤1% target
- The ANC/MPA for 30DMA and YTD for the dredge sand are above the target value of ≥ 2.0 respectively meeting the set target.
- The quarterly environmental report to Conservation and Environment Protection Authority (CEPA) for the first quarter of 2021 was submitted on 27 April 2021 as required by the Ok Tedi Permit. The overall environmental performance between January to March 2020 was consistent with performance in the fourth quarter of 2020. Of the sixteen conditions that required compliance with nominated values, only the NAPP target for TPP tailings was not achieved due to impact of COVID-19 on limestone mining.
- Compliance activities affected by ongoing COVID-19 challenges are; fieldwork to address the 2020 Dieback Mapping and River Navigability requirements, rescheduled for Q1 2021 and; monthly sampling for Bige surface and groundwater, and Ok Tedi upstream and downstream of the dredge slot.
- The Alternative ANC Method project has been completed in terms of sampling and analysis. All results including split QA/QC samples have been submitted to EGI consultants to conduct comparative analysis and reporting. The project is intended to address the Permit requirement.