

Shutdown Trends

Discipline	FY22	FY23	FY24
Turbine Artisan	0.5%	6.7%	13.6%
Production	0.0%	12.5%	11.3%
Heat treatment	0.2%	8.0%	10.6%
Inspection	0.4%	12.6%	8.2%
Access (Scaffolding, Cherry picker)	0.0%	8.3%	7.6%
Protective coating (Painting)	0.1%	6.3%	7.2%
Electrician	0.2%	6.4%	6.8%
Abrasive blasting	0.0%	5.5%	6.1%
Catalyst handling	1.8%	5.2%	5.9%
Welder / Boilermaker / Pipe fitter	0.0%	7.0%	5.8%
Refractory	0.2%	3.0%	5.6%
Civils	0.1%	3.4%	5.6%
Rigging	0.0%	6.1%	5.0%
Cleaners	0.2%	3.8%	4.4%
Mechanical	0.0%	4.7%	3.8%
Insulation	0.1%	4.6%	3.7%
Industrial & vacuum cleaning	0.0%	4.4%	2.8%
Instruments	0.4%	4.3%	2.7%

- Compliance for most of the Sasol related disciplines remained good, with production improving slightly from last year
 - Instruments – Improvement, SLAM issues >50%
 - Mechanical, with the highest number of activities audited (21 537) had a deviation ratio of 3.8%**
 - Turbine reflected a high deviation ratio with a drastic increase from previous shutdown. Increase in PTRAs related deviations
- From ROAS:
 - Rigging, improved compliance, with 18% of deviations related to barricading not in place / inadequate
 - Welding, improvement in compliance, with the second highest number of activities audited (21 070) had a deviation ratio of 5.8%**
- Major deviations:
 - Production contributed to 29% of deviations, mostly through permit to work deviations
 - 27% Of the majors were identified for welders / boilermakers / pipe fitters, mostly from non-adherence to 100% tie on and unauthorised removal of grinder handles
 - Access (AIP) contributed to 13% of the major deviations, mostly from non-adherence to 100% tie on and inadequate / no gantries installed during scaffolding activities
 - Mechanical contributed 12% towards the major deviations, all through non-adherence to 100% tie-on or using unsafe access

Trends (continued)

FY24

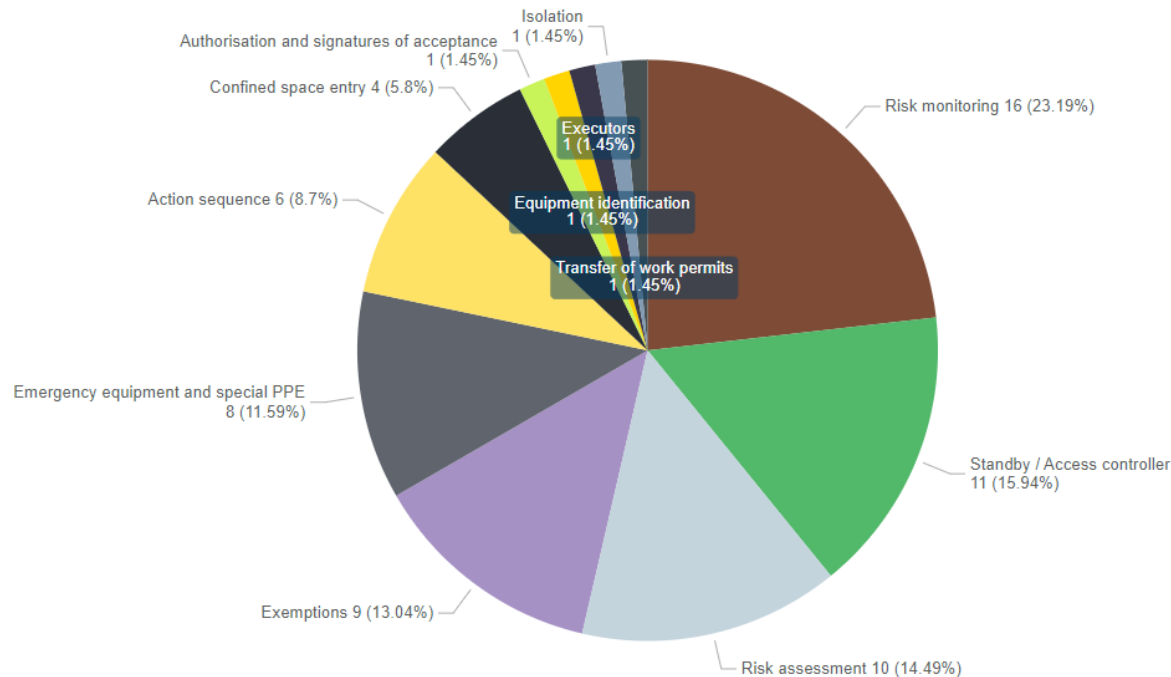
DeviationCategoryName	Total
Hazard communication	636
Equipment set-up	621
PPE use	449
Housekeeping	409
Inspection	284
Pre-Task Risk Assessment	277
Risk assessment	252
Hazard identification	246
Total	5911

DeviationSubCategory	Total
Plant housekeeping	350
PPE not used	266
Work area hazards not identified	229
Location of work not indicated	167
Sasol official did not sign PTR	153
Continuation not done	137
No risk assessment for task	126
Trap door not closed	112
Confined space entry not authorized	107
Total	5911

AREAS OF CONCERN:

- Hazard communication: PTR related – Sasol official not signing on PTR
- Equipment set-up: Inadequate cocooning / ventilation and unapproved ropes used to tie cocoons
- PPE use
- Housekeeping towards the end of the shutdown, creating tripping hazards & falling objects

Permit to work related findings



General:

- The exemption of sandblasting activities was signed for certain areas during the shutdown. This exemption should be tabled for approval at the Permit-to-Work technical committee before it will be allowed during any other shutdown.
- Permit exemptions within SO needs standardization / standard guideline

From the data (findings):

- Gas tests not done as per frequency, standby frequency not adhered to, and drains not covered were the biggest concerns related to permit to work deviations. These deviations makes up just over 50% of the total permit related major findings for SO

Shutdown learnings

- Improved collaboration between RO&AS and SO SHE departments created opportunities to correct concerns immediately
- Daily engagement sessions with Service Provider contributed tremendously towards collaboration and trust between SO and our SP's- SP's took ownership
- Our combined trend analysis (dashboard) between RO&AS & SO allowed us to enhance our proactive approach towards non-compliance
- Incorporation Humanizing Safety and Human Performance principles in our daily assurance checks (BT) Our daily employee wellness checks assisted us to identify critical intervention actions when faced with employee wellbeing challenges.
- Specific focus on drop objects deviations/incidents
- Assurance inspection strategy based on daily work planning and compliance trends
- **SHE care centres** implemented across the site provided more than 368 900 meals 149 780 drinks
- All non-critical meetings were cancelled to enable the team members to focus on the shutdown requirements and prioritise their time. These were major contributors to ensure that there were senior managers, safety personnel and various project team members on site 24/7, with sufficient coverage on night shift.



END