



Assurance - Internal practices to monitor offshore compliance in health processes

Karen Parry
UK Upstream Health Manager, Shell

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Shell’s net carbon intensity

Also, in this **presentation** we may refer to Shell’s “Net Carbon Intensity”, which includes Shell’s carbon emissions from the production of our energy products, our suppliers’ carbon emissions in supplying energy for that production and our customers’ carbon emissions associated with their use of the energy products we sell. Shell only controls its own emissions. The use of the term Shell’s “Net Carbon Intensity” is for convenience only and not intended to suggest these emissions are those of Shell plc or its subsidiaries.

Shell’s net-zero emissions target

Shell’s operating plan, outlook and budgets are forecasted for a ten-year period and are updated every year. They reflect the current economic environment and what we can reasonably expect to see over the next ten years. Accordingly, they reflect our Scope 1, Scope 2 and Net Carbon Intensity (NCI) targets over the next ten years. However, Shell’s operating plans cannot reflect our 2050 net-zero emissions target and 2035 NCI target, as these targets are currently outside our planning period. In the future, as society moves towards net-zero emissions, we expect Shell’s operating plans to reflect this movement. However, if society is not net zero in 2050, as of today, there would be significant risk that Shell may not meet this target.

Forward Looking Non-GAAP measures

This **presentation** may contain certain forward-looking non-GAAP measures. We are unable to provide a reconciliation of these forward-looking Non-GAAP measures to the most comparable GAAP financial measures because certain information needed to reconcile those Non-GAAP measures to the most comparable GAAP financial measures is dependent on future events some of which are outside the control of Shell, such as oil and gas prices, interest rates and exchange rates. Moreover, estimating such GAAP measures with the required precision necessary to provide a meaningful reconciliation is extremely difficult and could not be accomplished without unreasonable effort. Non-GAAP measures in respect of future periods which cannot be reconciled to the most comparable GAAP financial measure are calculated in a manner which is consistent with the accounting policies applied in Shell plc’s consolidated financial statements.

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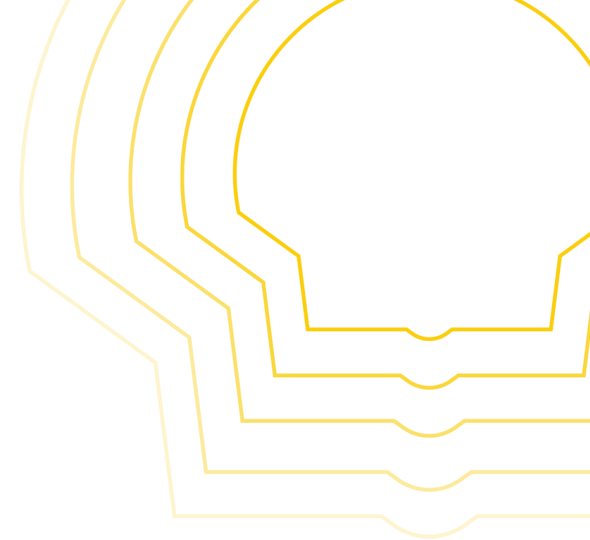
Shell UK Upstream Offshore

- All North Sea sectors – 5 manned platforms
- Offshore Medics are the Occupational Health and Industrial Hygiene FPs
- Health processes aligned across all assets, minor local tweaks
- Covers all POB, combination of staff & contractor, core & ad-hoc
- Processes combine regulatory and company requirements
- Developed centrally and rolled out
- Maintained in Document Management System
- Extracted detail in OH/IH Information Booklet



Audit Arrangements

- LOD (Line of Defence)
 - LOD-3 = Shell Group Independent – provide assurance to the Shell Board
 - LOD-2 = Business assurance – targeted activities eg Legionella RA, noise revalidation
 - LOD-1 = Self assurance – local compliance
 - Shell UK Control of Work Health undertaken by the asset
 - Shell UK Health Deep Dive undertaken by onshore team representative(s)
 - Global Health assurance program
- Other methods
 - Checklists – Living Quarters Hygiene (each hitch)
 - Business Performance Review – 6-12 monthly for each contract/service
 - Pre- TAR/Start-up/Mobilisation etc – ad hoc for specific activity needs



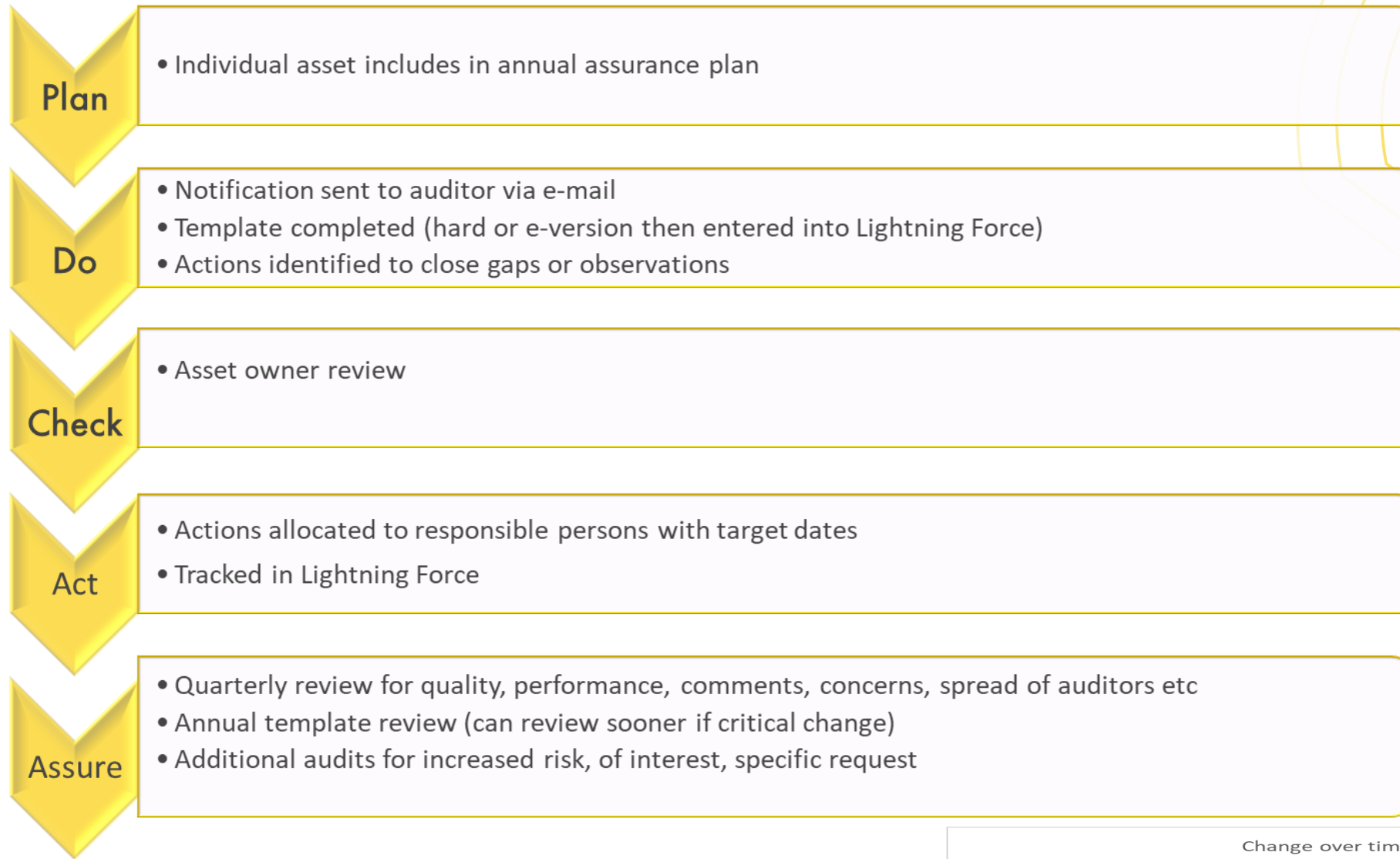
Audit Templates

Topic	Frequency (min/year)
COSHH	3
HAVS (Hand-arm Vibration Syndrome)	2
Noise	2
HHM (Health Hazard Management)	2
Legionella	3
MH (Manual Handling)	3
Fatigue	2
Asbestos	2

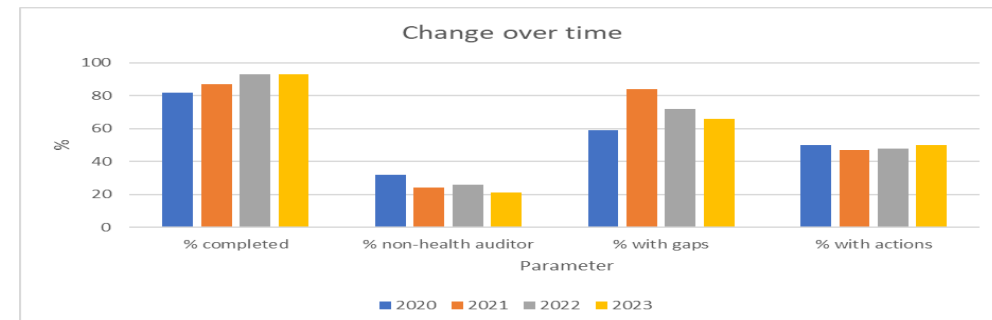
- Cover regulatory, Shell Health and Shell UK requirements
- Designed as live process ie in the field conversations
- More frequent for ‘faster changing’ risks
- Anyone should be able to undertake the audit, no need for health background

Assurance Check List Dates		Unit Instruction	Revision Number	Last Review Date	Change Request Log		
Keweenaw Point		SURE PPH/17/0003					
<p>Sample Guidance: These assurance questions can be audited to cover all assurance questions for each audit. Based on frequency of audit score and frequency of audit accordingly. For each question, identify the number of requirements met and record findings/details of answers in the Comments.</p>							
Location:		Assurance Date:	Auditor(s):				
Area	Category	Assurance Question	Short Question (Prompt)	1	3	5	Comments (include but not limited to): - All Cases identified - Improvements to the work instruction in process - Anything else
4	D	1 Procedure: Local Implementation					
		<p>1) The Site Manager, HSE Advisor and HAV/FP local team are all responsible for the procedure and are aware of their responsibilities for managing HAV/FP on the site. HSE and the person will ask them to describe the HAV management process on the site.</p> <p>2) The site is engaged in recording or logging of worker vibration exposure. Check worker exposure records held by HAV/FP or contractor FP are up to date.</p> <p>3) HAV/FP tools are properly maintained and serviced at intervals requested in area 12 of the Assurance FP, reviewed or confirmed FP by HAV/FP maintenance records.</p>	How many of the above requirements have been met?	2) 1 of the 3 requirements are recorded adequately	2) 2 of the requirements are recorded adequately or 3 requirements are recorded but gaps in level of detail required	ALL requirements are recorded adequately with no significant gaps in detail	
1	R	2 Identification of recent work					
		<p>1) Have you any work that had occupational exposure to HAV that is currently active? Identify the location and dates, and use the tool to calculate parts of the work (where possible). For active work complete the record card and explain.</p> <p>2) The HAV/FP has reviewed HAV Equipment Record Sheets within the last 3 months to ensure exposure of any individual has not exceeded recommended levels.</p> <p>3) The review includes a check on which tools are being used most frequently and to consider the risk to the HAV risk associated with those tools. Check with HAV/FP: has the highest risk tool been identified?</p>	How many of the above requirements have been met?	1) 1 of the 3 requirements are recorded adequately	1) 2 of the requirements are recorded adequately or 3 requirements are recorded but gaps in level of detail required	ALL requirements are recorded adequately with no significant gaps in detail	

Process



- Live process ie in the field conversations
- Preference for upload of evidence into tool



Status Overview

Shell logo | LOD1 | CoWLOD1 | Facilities | Forms | Actions | Reports | Dashboards | Search... | [Icons]



Number of Planned Health Forms

141

[View Report \(Forms - Number LODs\)](#)

Number of Completed Health Forms

128

[View Report \(Forms - Number of LODs\)](#)

All Open Actions of Health Forms

11

[View Report \(All Open Actions\)](#)

All Closed Actions of Health

74

[View Report \(All Closed Actions of Health\)](#)

Form Example

Navigate To

Lock Make Discoveries

⚙

(LIVE) Health - COSHH Checklist Rev4

F-00029057

LOD 1 COSHH Checklist (Information Section)

For self-initiated LODs, it is important to make sure the "Facility" field is populated.

All other fields will auto populate once a form is saved for review and approval.

Note: for self-initiated LODs where no Supervisor or OIM/PM have been assigned, the "Supervisor" and "OIM/PM" will default to the OIM/PM for the facility you select.

* Facility (Required)



* Auditor's Name (Required)

* Is Form Scheduled or Self-Initiated? (Required)

- Scheduled (I received an email telling me to complete this form)
- Self-Initiated

Score %

92.00

Due Date

11/20/2023

(CC-Q10-CM) LOD 1 COSHH Checklist Q10 (Category: Monitoring)

(CC-Q10-CM) Specific Benzene related procedures (2)

- (1) All UltraRaes on site have been factory calibrated annually AND calibrated before each use with SPAN gas as per manufacturer's instructions.
- (2) UltraRae records are being managed effectively (date and reading - even if zero)
- (3) Benzene monitoring records are accessible and have been suitably maintained AND Biological monitoring (if conducted) records are accessible and have been suitably maintained
- (4) Area and personal monitoring for benzene exposure has been conducted over the past 12 months

* (CC-Q10-CM) How many of the above requirements have been met?

- a) 0 or 1 of the 4 requirements listed are met
- b) 2 or 3 of the requirements are recorded in level of detail required
- c) All 4 Requirements are recorded adequately
- d) N/A

* (CC-Q10-CM) Comments (Required)

Area and personal monitoring has been conducted within the last year. Monitoring records are accessible both hard copy and in Sharepoint, biological monitoring is also in Sharepoint. UltraRae records relating to the daily/before use calibration with SPAN gas are sparse. UltraRae's were due calibration in October 23.

(CC-Q10-CM) Photo (Optional)



Details Related

Action Information

Action Number

ACTID-005921

Form

F-00029057

Action - Short Description ⓘ

UltraRAE calibration

Target Date ⓘ

01/12/2023

Action Required ⓘ

Daily/before use calibration records of the UltraRAE with SPAN gas are virtually nonexistent and the annual calibration date for both units has passed Oct 23. These responsibilities lay with the Ops techs and production techs.

Action Party Updates - expand section to update

Action Taken ⓘ

Added to SoSo the requirement to test any testing equipment when carrying out tests under basics brilliantly. Benzene units removed for new Nov 23

Benzene Ultra Rae Monitor Weekly Calibration Record

Form A

The Ultra Rae Monitor is calibrated annually as per manufacturer's instructions. The monitors are in regular use and should therefore also be site calibrated weekly. Please record the weekly calibration in the following table.

Monitor Type..... ULTRA RAE 3000

Serial Number..... 596-986344 (56021934)

Date of last factory calibration..... 21/10/22

Date calibrated on site	Calibration Gas Serial Number	Calibrated by	Calibration Gas Concentration in PPM	
			Zero gas reading	Span gas reading
17/11/22	no 8272264		0	5.00
31/12/22	---		0	5.01
12/3/23	---		0	5.04
5/11/23	---		0	5.02

* Title / Short Description (Required)

UltraRAE calibration

* Action Category (Required)

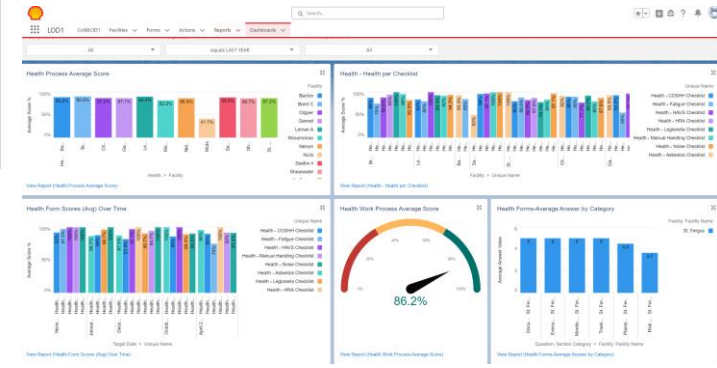
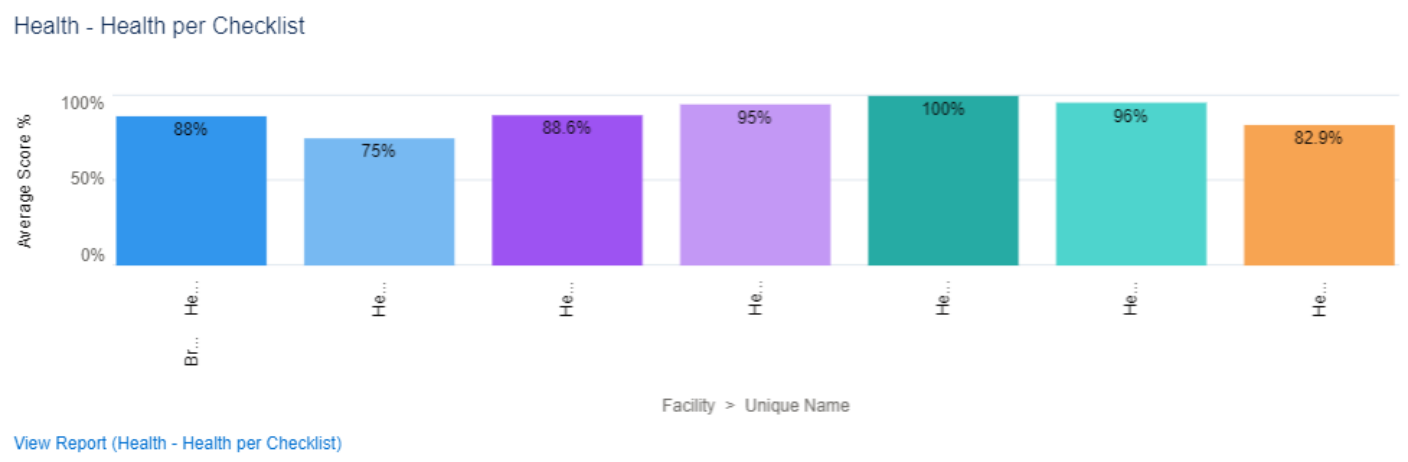
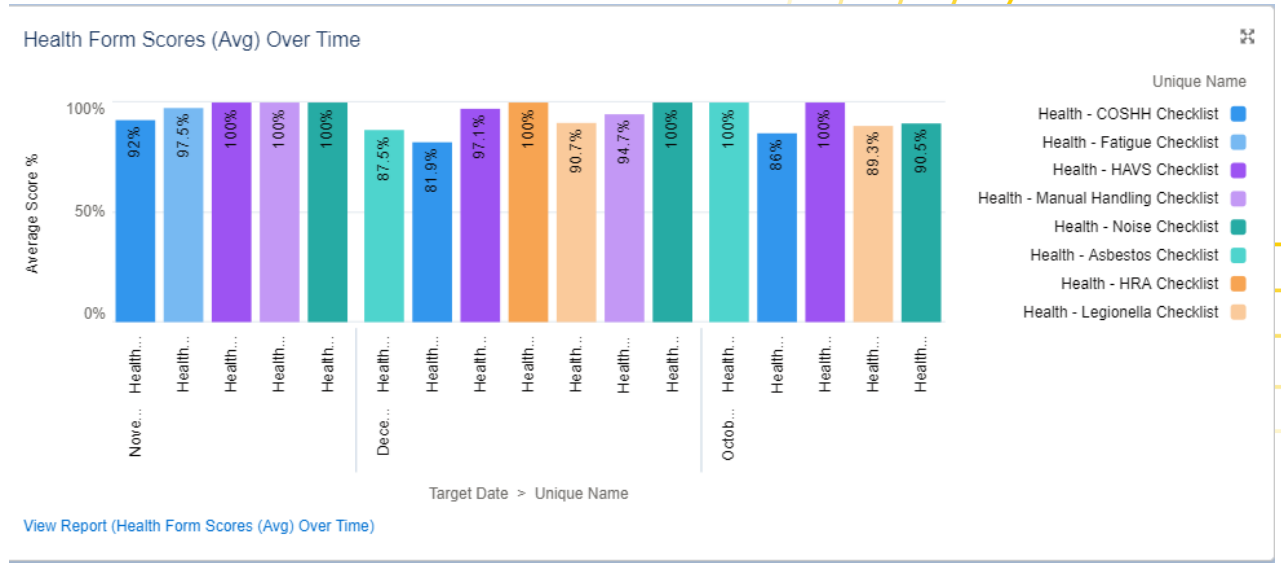
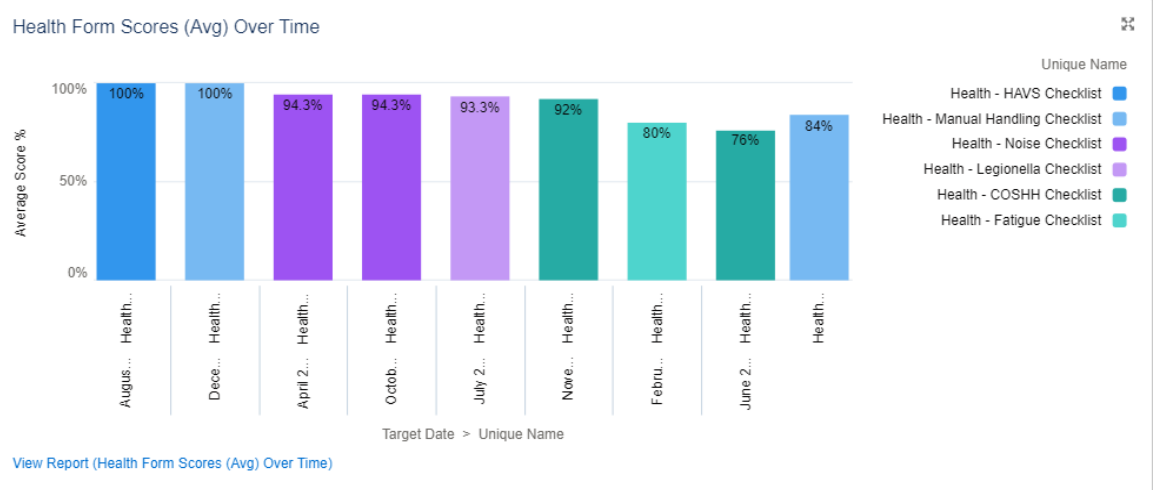
Documentation

Low

Daily/before use calibration records of the UltraRAE with SPAN gas are virtually nonexistent and the annual calibration date for both units has passed Oct 23. These responsibilities lay with the Ops techs and production techs.

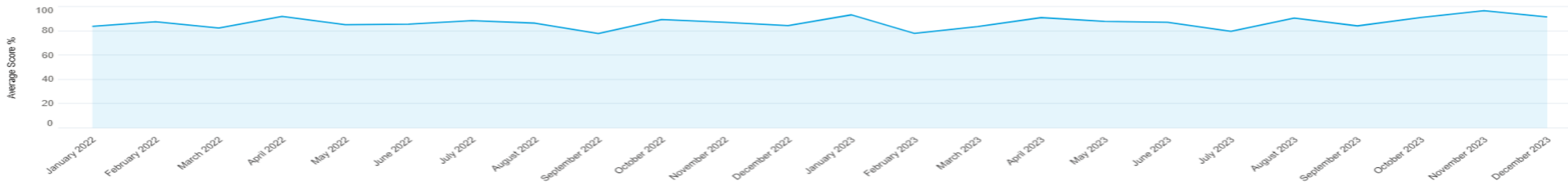
12/01/2023

Dashboard (Interactive)



Driving Improvement

- Fair share across FPs
- More undertaken by non-health personnel
- Interviews, field-work, permits
- Increased quarterly sampling
- Provision of evidence, not a tick-box exercise
- Training of auditors, improved quality and value
- Gap identification & closure, using action tracking
- Refinement of templates – feedback from users, changes in requirements
- Amalgamated data – trends and outliers
- Fewer but better completed





Any Questions?

