



مسيّعة للطاقة  
M POWER

EHS Newsletter

2<sup>nd</sup> Edition



M Power,  
Powering Qatar

July – Dec 2020

# Significant Achievement, News, and Events



ISO 9001:2015 Surveillance audit was conducted on 10<sup>th</sup> Dec 2020 for MPCL Integrated Management System (IMS). No non-conformances were recorded.

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A new EHS incentive program was introduced for block 1 major inspection outage to appreciate exceptional EHS performance of MPCL staff and contractors. During the outage period 17 persons were rewarded.

A tabletop exercise was conducted on 29<sup>th</sup> Oct 2020. The exercise included response to a simulated operational emergency situation.

Block 1 major inspection outage commenced on 16<sup>th</sup> December 2020 and was completed on 7<sup>th</sup> Jan 2021. Further details are provided on the next page.

IMS management review meeting was conducted on 26<sup>th</sup> July 2020 to review Q1 & Q2 2020 IMS performance. The minutes of meeting were circulated to the workforce.

# Block 1 Major Inspection Outage



**B**lock 1 major inspection outages commenced on 16<sup>th</sup> December 2020 and was completed on 7<sup>th</sup> Jan 2021.

EHS team was fully involved in the planning, execution, and debrief of the outage. All planning meetings were attended with the various MPCL and GE teams in order to effectively plan for EHS requirements.

MPCL EHS team interviewed and approved the safety officers proposed by GE.

MPCL EHS team were present daily to oversee the major activities and conduct daily inspections.

Both MPCL and GE EHS teams communicated effectively to allow closure of any EHS concerns. Consequently, 138 EHS related findings were observed and all of them were closed in a timely manner.

Some of the EHS highlights during 2020 outage includes :

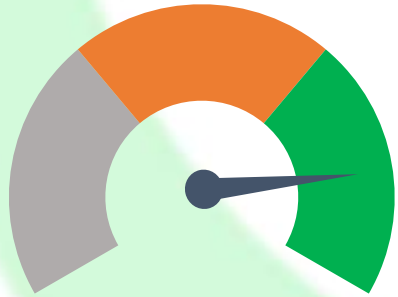
- Introduction of an EHS incentive program to promote a positive safety culture.
- Improved and effective cable management initiatives.
- Implementation of health and hygiene precautions set in place for COVID-19.
- Prompt closure of EHS findings by MPCL and Contractors.

There were positive observations recorded during the outage, including but not limited to:

- Use of HDPE pallets for temporary storage of materials instead of wooden pallets.
- Various trips and fall prevention initiatives including the use of S-hooks, special entry barriers for confined spaces, beam anchors and horizontal lifeline systems.
- Effective safety communication programme: toolbox talks, safety posters and bulletin boards.
- Installation of hand-sanitising stations at work places and rest areas.
- Implementation of dropped-object prevention initiatives while working on elevated platform gratings.



# 2020 QEHS Objectives and Targets



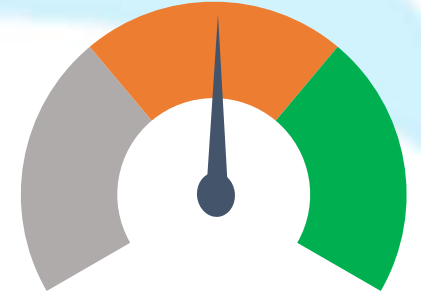
Provision of back-up cooling for plant air compressors via service water system: **ACHIEVED**



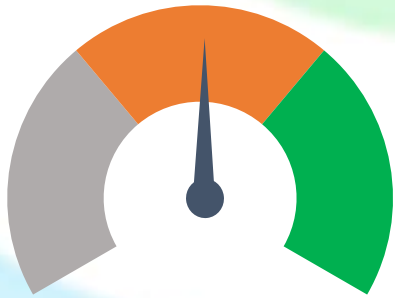
Develop and circulate EHS newsletter twice per year.: **ACHIEVED**



Upgrade CT/VT modules of Block 1 & 2 generator protection relays.: **ACHIEVED**



Establish a permanent connection from the service water line to the irrigation water tanks: **ACHIEVED**



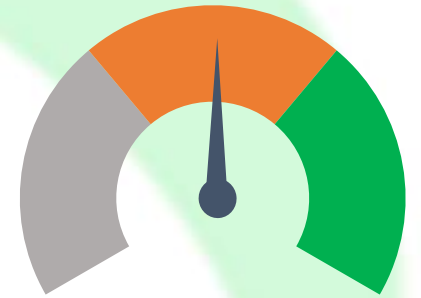
Achieve a reduction of 430 MWh /year by replacing the existing HRSG and roof lighting with LED lighting: **ACHIEVED**



Achieve a 25% annual reduction in consumption of nitrogen gas : **IN PROGRESS**

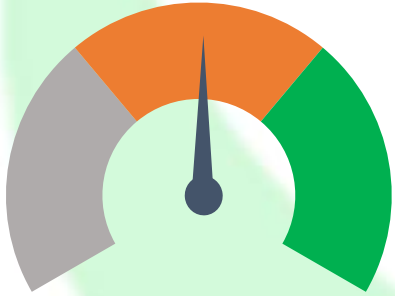


Implement SAP system to consolidate HR, CMMS, Safety, Procurement and Accounts system respectively: **IN PROGRESS**

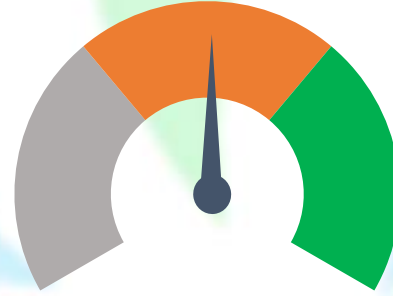


Implement annual customer (KM) satisfaction process: **ACHIEVED**

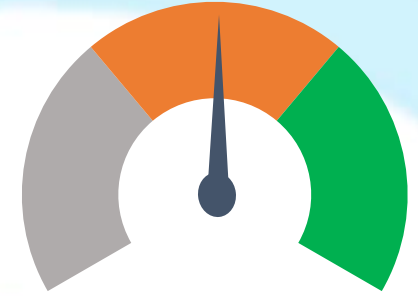
# 2020 QEHS Objectives and Targets...continued



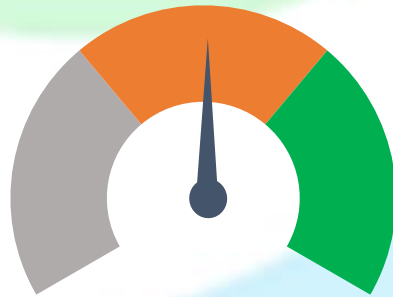
Develop and implement Behaviour-Based Safety (BBS) programme: **IN PROGRESS**



Perform one joint drill with Qatar civil defense and QP/MIC emergency responders: **IN PROGRESS**



Construct a new warehouse to improve plant inventory storage: **IN PROGRESS**

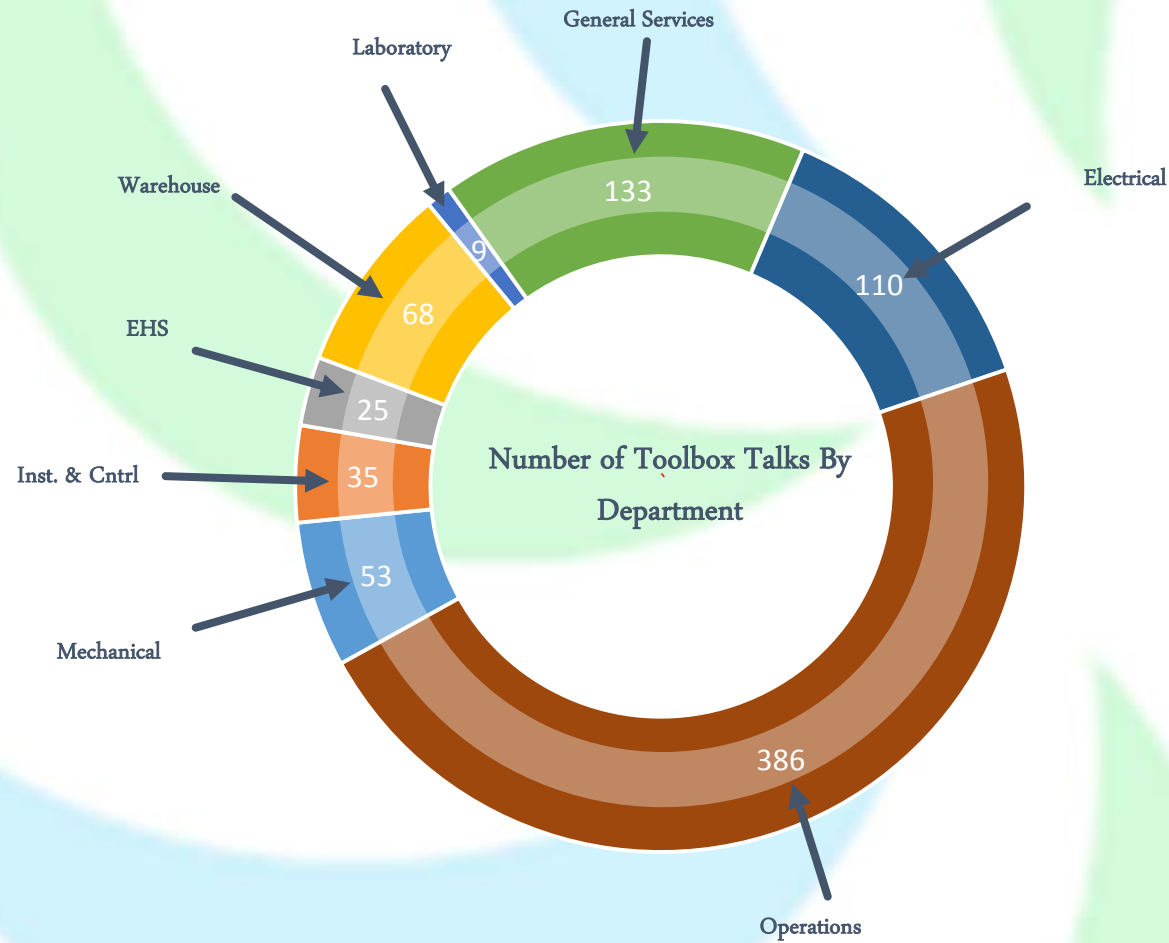


Develop and implement an assessment programme on general health and safety: **ACHIEVED**

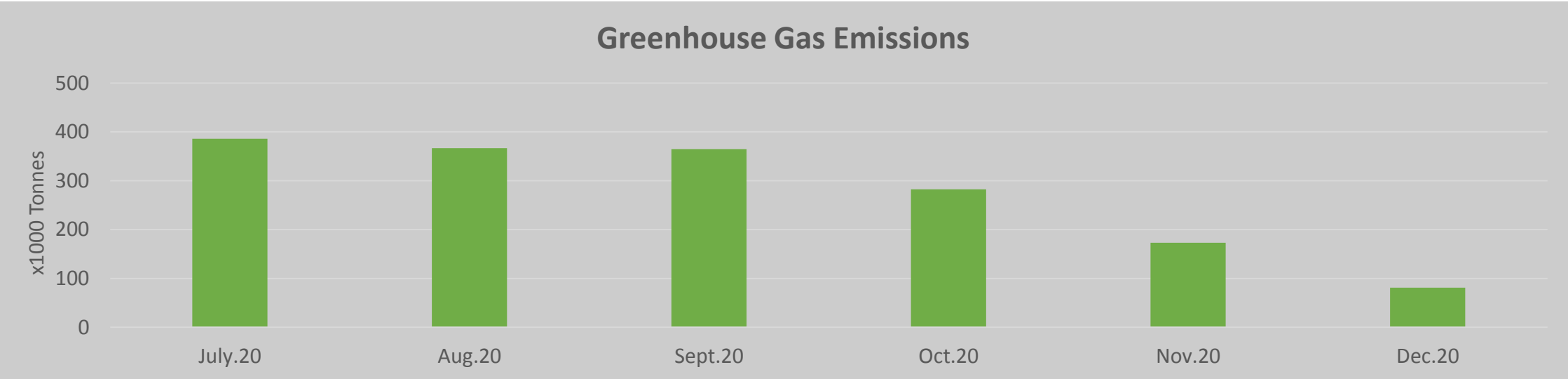
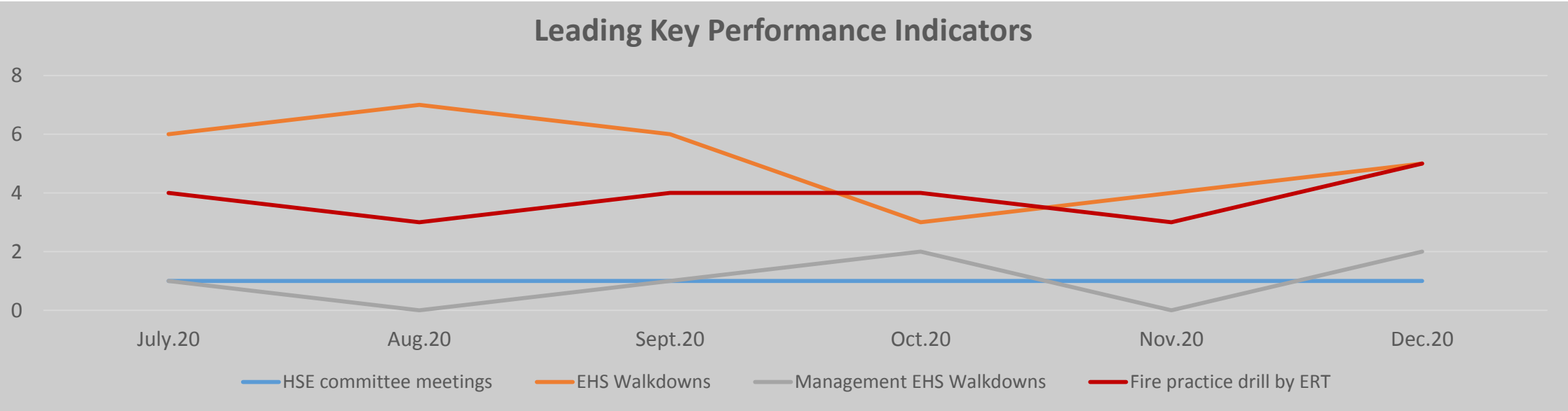


Reduce NOx emissions from 56ppm to less than 26ppm at GT12 & GT22 OBH: **ACHIEVED**

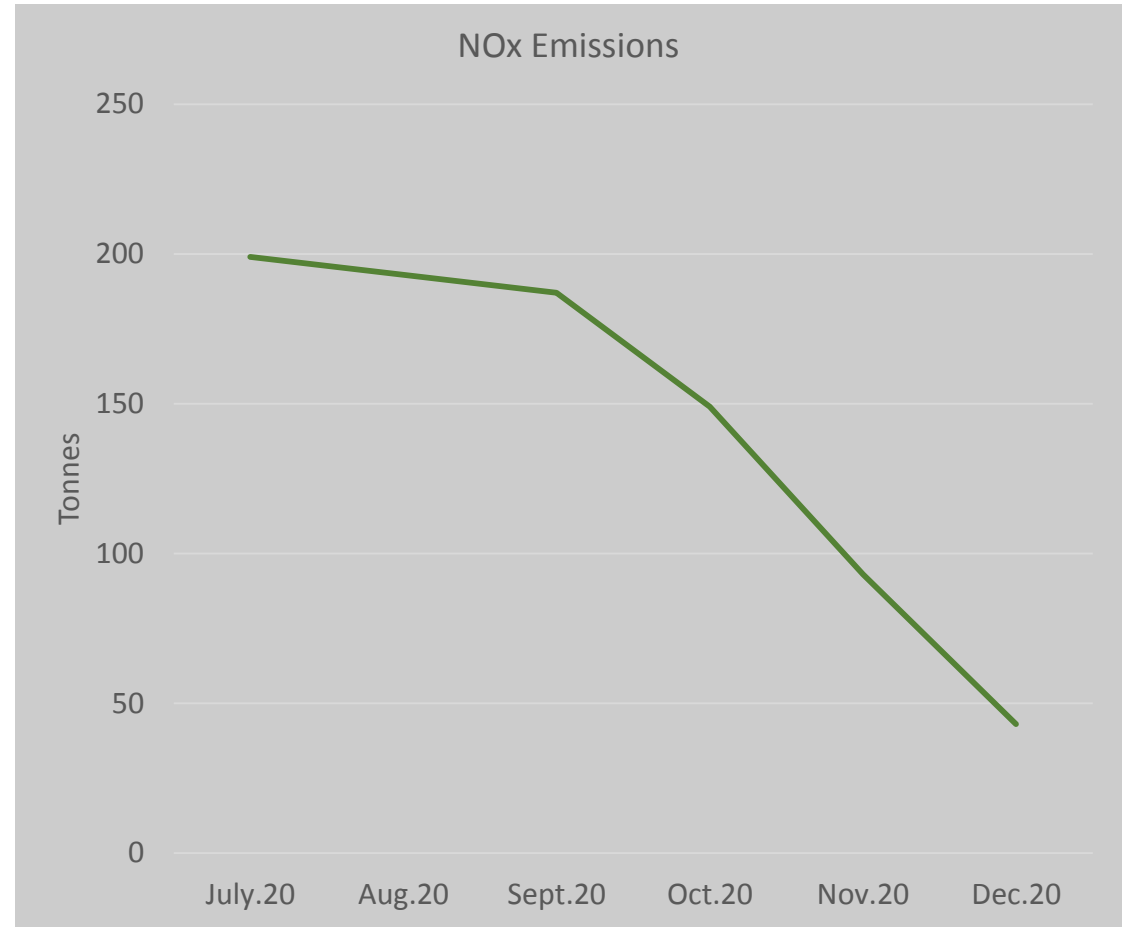
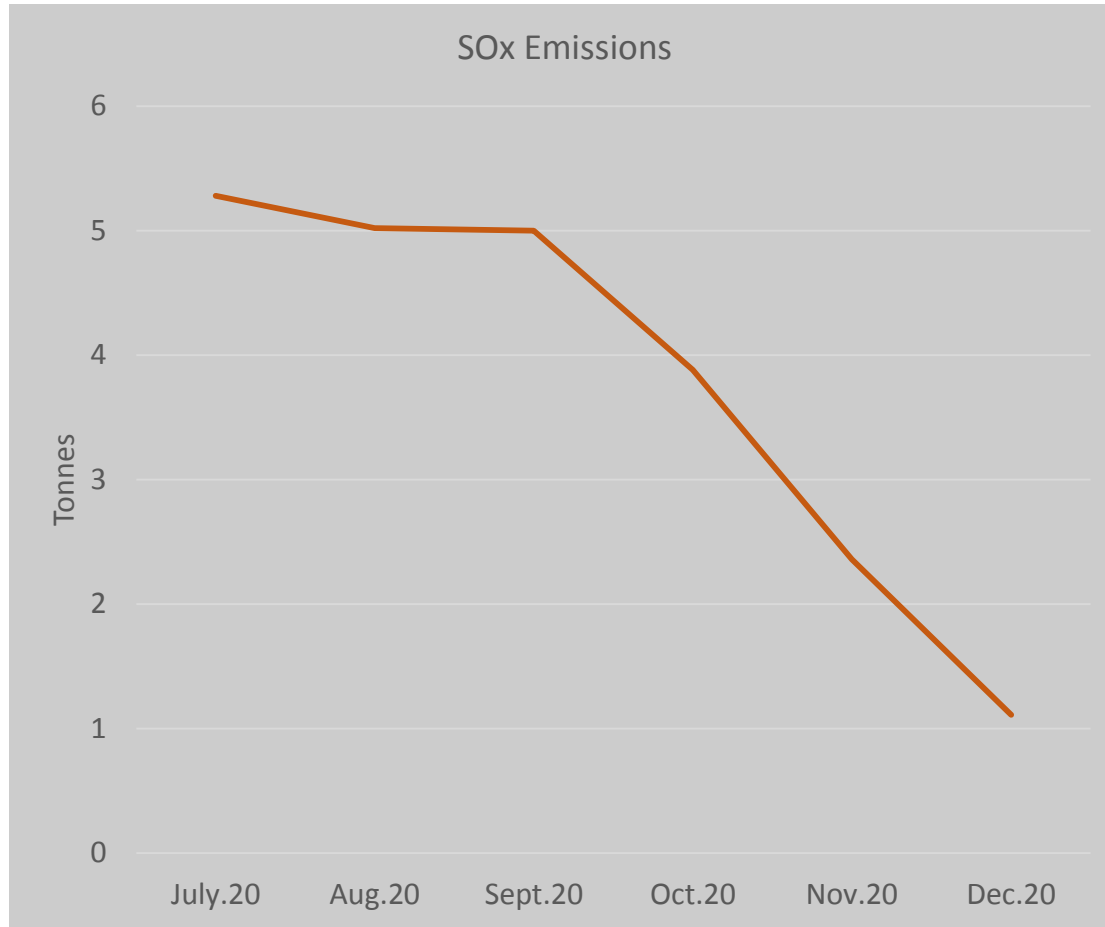
# 2020 QEHS Objectives and Targets...continued



# Key Performance Indicators



# Key Performance Indicators...continued





# Safe Home



## 1. Falls



Falls are the leading cause of death when it comes to home accidents. They make up a third of all fatalities. The elderly are most affected by this type of accident.

### Minimise The Risk:

- Staircases: Keep children safe from tumbling down steps by installing safety gates at both the bottom and top of staircases. Keep everyone safe by making sure the lighting is good and the handrails and steps are solid and well maintained.
- Bathrooms: Anyone is susceptible to falls in the bathroom due to slippery wet surfaces. Showers should have rubber mats to prevent falls from wet surfaces. Have mats or towels placed on the floor when getting out of the bath or shower.

## 2. Poisoning



The second leading cause of fatalities is poisoning which leads to 5,000 deaths a year in the U.S. This is a particularly heartbreaking statistic as for the most part curious young children are affected by this type of hazard. Prevent your child from serious injury and becoming one of these statistics by following the following safety tips.

### Minimise The Risk:

- Store chemicals out of the reach of small children in higher cupboards. Or locked away in lower cupboards.
- Label all unmarked containers and do not store chemicals in food containers.

# Safe Home...continued



## 3. Fire Hazards



Fires are the third biggest killer as far as home accidents are concerned.

### Minimise The Risk:

- Install smoke detectors in the kitchen, bedrooms and basement.
- Test your alarm monthly and ensure you replace the batteries twice a year.
- Be careful when cooking and NEVER leave a pan of oil for deep-frying unattended. If the pan catches fire use a fire blanket or damp towel to smother. Never try to put out oil fire with water.
- Have your electrical wiring tested regularly by a qualified electrician.
- Keep matches and lighters away from children.
- Ensure family members have basic knowledge of fire extinguisher and fire blanket use.

## 4. Drowning



Children aged from one to four years old are at serious risk of drowning. In fact, it is the leading cause of fatalities and injuries in this age group. Children this age can drown in just two inches of water.

### Minimise The Risk:

- Always supervise babies and young children when bathing.
- Keep toilet lids closed.
- If you have a swimming pool or pond then it should be in a fenced area. Never leave children in an unsupervised situation when water is about, including paddling pools.
- Don't leave electrical items in the bathroom e.g. hair dryers, trimmers etc.

# Safe Home...continued



## 5. Choking



Choking is a hazard for small children who have a tendency to put small objects in their mouths.

### Minimise The Risk:

- Always watch small children.
- Know how to perform first aid on your child should they start to choke, this includes knowing how to perform the Heimlich maneuver.
- Make sure your child plays with toys that are age-appropriate and from reputable companies with no possibility of small parts breaking.
- Clean the floors and carpets regularly to remove small objects.

## 6. Sharp Objects



We all have plenty of sharp objects around the home that are necessary but in the hands of small children, they can be lethal.

### Minimise The Risk:

- Keep kitchen knives and graters away from children in locked drawers.
- Store sharp knives with shields to cover the blades and take care when washing.

Keep items such as rakes, saws, and other hand tools, locked away.

# Safe Home...continued



## 7. Burns



Stoves present a significant danger for a variety of reasons.

### Minimise The Risk:

- It is best to keep children out of the kitchen when cooking.
- Use the burners at the back to make it more difficult for children to reach up.
- Pan handles should face inwards so that children cannot grab them.
- Assign a designated area for ironing and keep the iron out of reach of children.

## 8. Suffocation



Toddlers and young children are at risk of suffocation in home.

### Minimise The Risk:

- Keep trash bags, shopping bags, and packaging bags away from children.
- Keep strings, cords, charging cables, extension leads, and ropes out of reach of children as these are strangling hazards.

# Future Events



- Objectives and Targets for 2021 will be developed in Jan 2021.
- Behavioral based safety programme is expected to resume in Q1 of 2021.
- IMS management review meeting will be conducted in February 2021 for performance of Q3 & Q4 of 2020.
- Surveillance audits of IMS certifications for 14001:2015 and 45001:2018 would be conducted in May 2021.
- Entry for RoSPA 2021 awards will be submitted by 25<sup>th</sup> February 2021.