EnerSys Newport
Stephenson Street
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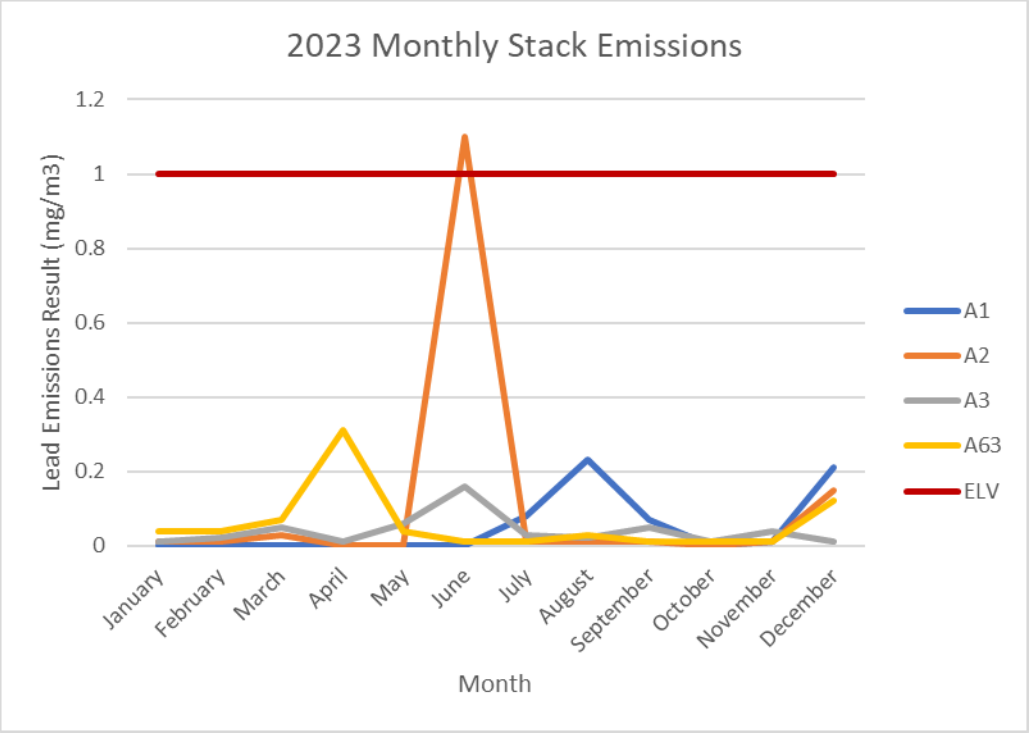
Annual Environmental Review for 2023

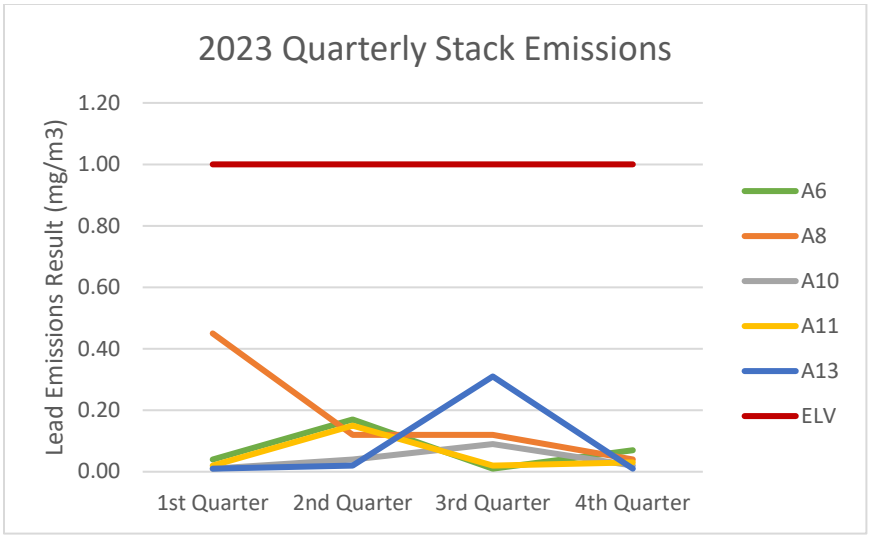
Form A1: Air Emissions

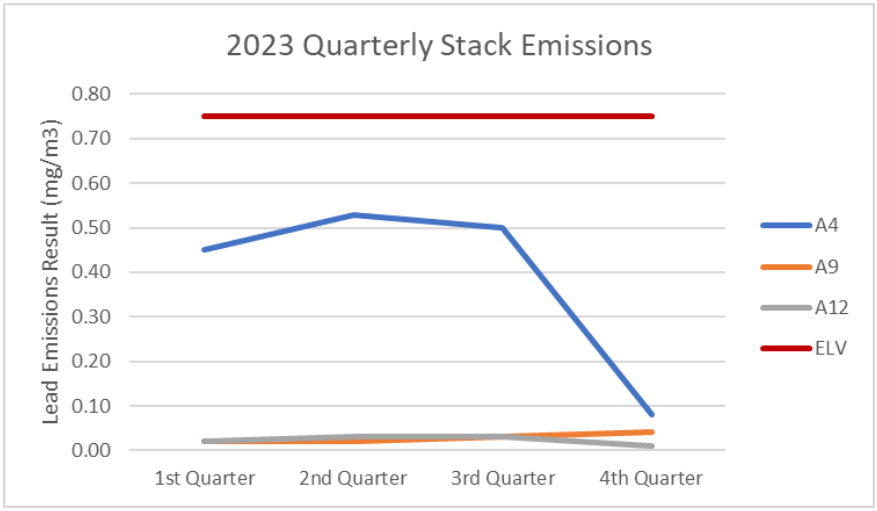
During 2023 all, except 1, result from the air emissions monitoring were within their respective emission limit value (ELV). The reading which came in above the ELV was from emission point A2, (oxide mill 2). The measured emission was 1.10mg/L +/-0.30mg/L; the ELV is 1.0mg/L. Upon receiving the result, the process feeding into A2 was immediately stopped pending investigation. The investigation found that filters were in good condition, but there was evidence of slight leakage on the chamber floor and oxide on the clean side of the filter. This could be due to leakage from the filter seals and would not be evident during routine inspections. The filters were changed, and a procedure implemented to carry out fluorescent dye inspections which should assist with identifying any leakage from the seals in the future. NRW were immediately notified via schedule 5 of this result and the outcomes from the investigation once it was completed. NRW issued a compliance assessment report based on the information supplied within schedule 5 and stated that 'The investigation has been thorough and appropriate corrective actions have been put in place. A non-compliance for the ELV breach has not been issued because the measured emission was very close to the ELV and the process was stopped, thus limiting any adverse environmental or health effects.'

The graphs below show the trend for all air emission points.



Emissions points A1, A2, A3 & A63 are tested on a monthly basis.





Emissions points A6, A8, A10, A11, A13, A4, A9 & A12 are tested on a quarterly basis.

All air emissions points are measured for particulates. This monitoring was carried out in November. The results read between 0.25 mg/m3 and 1.64 mg/m3. All of these are below the ELV of 5.00 mg/m3. Emissions points A1, A2, A3 & A4 also have Particulate Continuous Emissions Monitors fitted to allow accurate, real-time data to be monitored and collected.

In 2023 fugitive emissions continued to be monitored using an external company to collect and test the samples. The results from the ambient monitoring for site as a whole remained in line with 2022 with an average reading of 0.07 µg/m3 against the Statutory Air Quality Standard of 0.25 µg/m3. There has been a change in the readings per monitor. The boundary fence monitor reading has increased from 0.11 µg/m3 in 2022 to 0.14 µg/m3 in 2023. Whereas the canteen roof monitor has decreased from 0.03 µg/m3 in 2022 to 0.02 µg/m3 in 2023.

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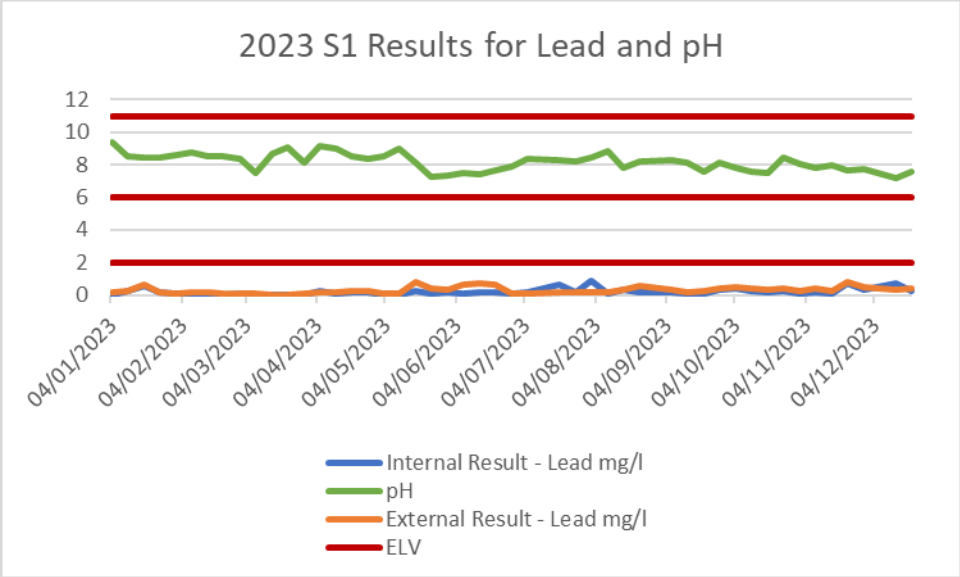
Form S1: Emissions to Sewer

Discharge of effluent is analysed for Lead (Pb), pH, sulphates, suspended solids and flow. All results for 2023 have been within the ELV. Internal testing is carried out whenever discharge to the sewer is occurring and external testing is carried out once a week. The results from the testing gave an average reading for Pb of 0.28mg/l from external testing and 0.21mg/l from internal testing. The flow is measured continuously, in 2023 4,356,975 L were discharged through emission point S1. This is an increase on the previous year which was caused by the re-siting of a cooling water discharge pipe in quarter 4. This has now been rectified and readings are back down in line with the normal readings expected.

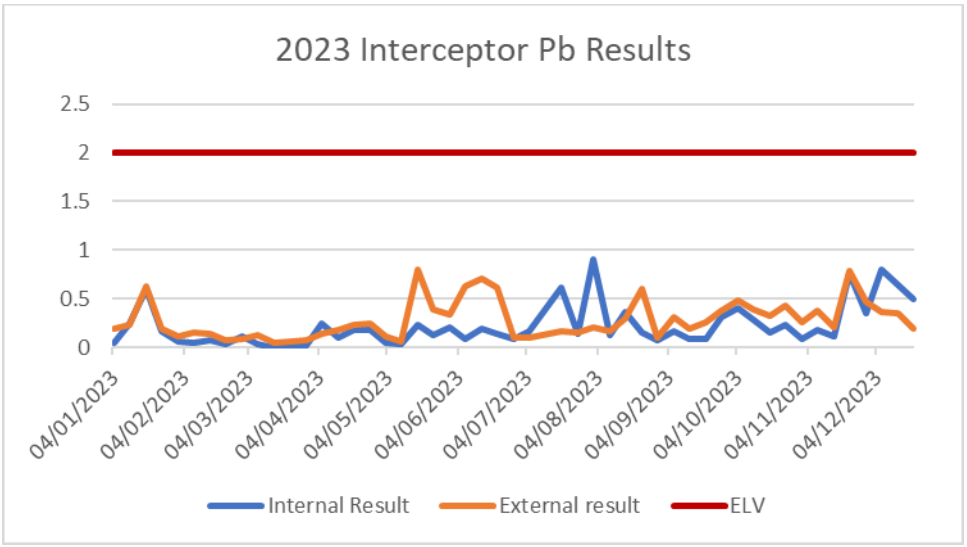
The chart below shows the results for Pb and pH for 2023.



Form W1; Emissions to Water

A sample from W1 is tested on a weekly basis for Pb and pH. The tests are carried out internally and externally. In 2023 the highest reading of Pb recorded was 0.8mg/l against an ELV of 2.0mg/l and the average reading for pH was 8.18 with all readings being with the specification.

The chart below shows the external and internal lab results for Pb for 2023.



In June 2023 a new auto sampler unit was commissioned for W1. This was purchased due to the unreliability of the previous unit and long lead times on parts. Alongside the purchase of this unit a service and maintenance contract were put in place to ensure the machine is maintained and working correctly.

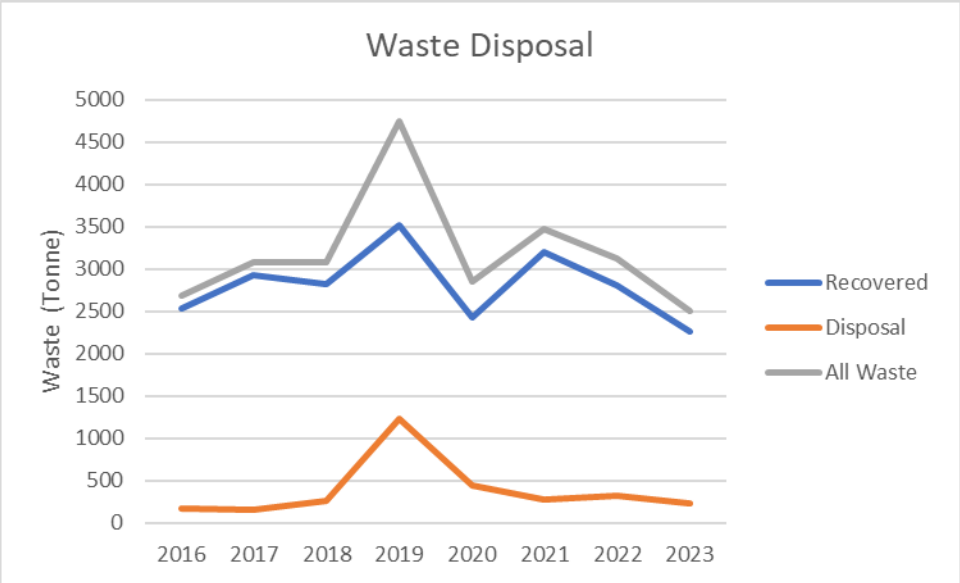
Form WU1: Water Usage

During quarter 4 of 2023 it was noticed that there was an increase in water usage. This was due to the re-siting of a cooling water discharge pipe. The system was modified and no longer discharges at such high volumes. NRW and Dwr Cymru were informed of this finding and Enersys worked with NRW and Dwr Cymru water to ensure a swift resolution to this. This increase resulted in the amount of water being used increasing by nearly 60% ptp. With the work that has been carried out to rectify this it is expected that the amount of water used in 2024 will reduce.

Form R1: Waste Disposal and Recovery

During 2023 there was a decrease seen in the total amount of waste generated over all categories. When this weight is worked out ptp this stayed the same for total amount of waste generated and total amount of hazardous waste generated. The total amount of hazardous waste produced increased but there was a decrease in the amount of hazardous waste sent for disposal.

The chart below shows the trend for total amount of waste generated.



Enersys will continue to work on waste in 2024 and try and reduce these figures further where possible.

Form E1: Energy Usage

During 2023 the total amount of energy used, and CO2 produced reduced; energy used by 5.7% and CO2 produced by 6.8%. However, this works out at almost an 18% increase ptp. Enersys is committed to trying to reduce the amount of energy used and decreasing the amount of natural gas used. One project that has been commissioned in December 2023 was the installation of a cold cubing system to replace the exciting nugget castor tables. This should result in a reduction of energy use, natural gas use and waste. This will be monitored throughout 2024 to see the benefits of this investment. Enersys are also looking at renewable energy and in 2024 will be looking into the possibility of having solar panels on suitable areas of the site.

Form PI1: Performance Indicators

In 2023 there was an increase in total mass release of lead. When looking at this information purely on figures released there was an increase of 6.5% but when looking at it ptp there was an increase of 30%. Upon reviewing the data for 2023 it could be established that there were higher than normal readings for some tests. These results were compliant with the ELV so were not picked up as being high. To try and ensure this does not happen in 2024 data will be tracked on a monthly basis and any readings that appear to be higher than the 'normal' will be acted upon.

Annual Environmental Objectives

For FY23 there were 2 environmental objectives set –

- Maintain 100% compliance with permit reporting conditions

- Maintain accreditation to ISO14001:2015

Both objectives were achieved. Although there was one breach of ELV in emissions to air this was notified to NRW within the required timeframes and in the required way ensuring Enersys met its reporting conditions.

In October 2023 Bureau Veritas (BV) carried out their scheduled surveillance visit, for ISO14001:2015. The findings from this audit included 1 minor nonconformities, (N/C) for Enersys, Stephenson Street. This was that the auditors conducting internal audits were not impartial. This was due to the fact that the audit was carried out by a member of the EHS department. To address this 3 other employees of Enersys have gone on training to allow them to carry out 14001:2015 internal audits. BV have closed this action down and will verify the effectiveness of this during the next audit.

Organisational Changes and Progression

During 2023 there have been internal changes within the EHS department. A new member of staff was recruited into the Environmental Lead role. This was a recruitment within the department and the environmental lead is being mentored by the European and Global EHS managers. The company has financed the individual to complete the IEMA Certificate in Environmental Management as development for this role.

Enersys now has a global sustainability team. This is being cascaded down to site level where there are now local sustainability projects being carried out. In FY24 Enersys will have sustainability related objectives as a way of showing further commitment to the environment.