

## **Cornwall Councillor report - Carlyon Parish - March 2022**

It has been another busy month with a lot going on.

I was pleased to have another site visit above Tregrehan Mills with Cornwall Council Cornwall and Cormac last week.

The site is currently with Adam Warden of Cormac for pricing for a level/topographic survey to see if an overland overflow channel is feasible.

A couple of weekends ago it was good to help the parish council and community reps in planting the tree provided by Cornwall Council under the Queen's Green Canopy initiative in the park at Tregrehan Mills for ours and future generations to enjoy.

It was also good to have a tour of the community led improvements of the Tregrehan Mills Jubilee Park.

The local community have absolutely transformed the boundary area of this important amenity for the village - fitting work for this momentous year.

Well done to everyone involved for their sterling work!

It was also good to join a work party from Carlyon Parish Council for their work on Cypress Avenue.

They'd been going for two hours and I was pleased to get there and take part for the last bit.

Thanks to Cormac for providing the volunteer trailer and Manor Made Cakes for providing some refreshments.

The full road length will be a colossal undertaking, but the community clearly has the passion and enthusiasm to do this. I look forward to helping more in the future!

I contacted Eden Geothermal about the reported seismic activity on the evening of 9 March and they issued the below statement:

*'The seismic event which occurred at approximately 9.20pm on 9th March was induced by injection testing at Eden Geothermal. These tests have been ongoing since late January and have involved injecting fresh water into the natural fractures near the bottom of the well.*

*Injection testing induces low level seismic events (microseismicity). Since the start of testing there have been over 300 low level seismic events. However, the event that occurred at 9:20 pm yesterday evening was heard and felt by people in the local community. It was 1.7 Magnitude at a depth of over 3,700 metres.*

*Magnitude is not the main factor that determines whether an event is felt or heard at surface; this is dependent on the Peak Ground Velocity (PGV) measured in mm/s. PGV is a measure of ground vibration, and the PGV associated with this event was 1.56 mm/s.*

*Deep Geothermal operations are monitored and controlled in line with the local quarrying and mining industry, using thresholds based on PGV. Eden Geothermal's operating levels reflect both the thresholds defined by Cornwall Council for quarry blasting and maximum vibration levels recommended within British Standard 6472-2:2008.*

- A PGV of 2mm/s is considered by British Standard 6472-2:2008 as the “magnitude of vibration below which the probability of adverse comment is low”, and is also widely quoted in the literature as the approximate threshold below which vibrations are unlikely to be perceived.*
- For comparison, a PGV of 8.5mm/s is used by Cornwall Council as the maximum permitted level of vibration from blasting operations during working hours.*
- EGL has adopted a cautious approach, using 0.5mm/s as a PGV threshold during pumping operations. As this threshold was exceeded by the event that occurred on 9th March, we have halted operations and are currently reviewing our well testing programme, in order to minimise the likelihood of inducing another felt event.*

*There is more information about seismicity during well testing, including a video and a downloadable FAQs sheet at <https://www.edengeothermal.com/.../drilling.../well-testing/>. And we will continue to post any additional information on this page.*

*This event was many times smaller than anything which could cause damage or pose any danger. However, we understand that it has caused alarm and disruption, and are very sorry for this.'*

I have liaised with the Clerk to help arrange the Carlyon Parish Spring Clean as part of Keep Britain Tidy's Great British Spring Clean. This will be taking place from 1000-1200 on Saturday 26 March, going from the dog field at Carlyon Bay, and Jubilee Park at Tregrehan Mills. I am providing the equipment for the latter one.

Finally I would be remiss not to mention that on St Piran's Day I was privileged to be a Judge at the prestigious World Pasty Championships.

Well done to all who took part for your creations!