

**From:** mike@alliance.engineer  
**Sent:** Thursday, 27 July 2023 21:46  
**To:** NGeoffrey@illovo.co.za; vmadikizela@illovo.co.za  
**Cc:** SRamsunder@illovo.co.za; vbarnard@illovo.co.za; mkilian@illovo.co.za  
**Subject:** Re: Illovo.pdf

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Hi Nicole,

Hope you are well and thanks for the email.

The previous report assumed that we would be able to build a foundation alongside the existing bricks and mortar stack while it was in operation. As stated in the previous email, any excavation adjacent to the existing stack has been recommended against by several civil engineers as this may destabilise the existing stack and cause an uncontrolled collapse of the chimney stack while we are excavating which would likely lead to loss of life and equipment.

Therefore, we have to demolish the existing stack prior to commencing any work in the area. With this in mind, we cannot commence the building of a new foundation once the stack is demolished as the new foundation excavation would then only start in early February 2024. With an 8 to 12 week lead time for the new foundation (an additional 10 to 16 weeks will be added to the project timeline), the new stack would only be erected in late April. This would mean that the plant start up would be delayed by 2 months.

The only way to demolish the stack safely and erect the new stack in the offcrop time frame without increased SHE risks is to utilise the existing stack's foundation (which is suitable for the new stack), and hence the change in approach to the project.

Please let me know if you have any further queries.

Kind regards,



**Mike Quenet**  
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**From:** NGeoffrey@illovo.co.za <NGeoffrey@illovo.co.za>  
**Date:** Thursday, 20 July 2023 at 08:27  
**To:** vmadikizela@illovo.co.za <vmadikizela@illovo.co.za>, mike@alliance.engineer <mike@alliance.engineer>  
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