

## DCAdmin

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**From:** Paul Farndale  
**Sent:** 28 September 2018 13:53  
**To:** Farzana Tabasum  
**Cc:** DCAdmin; Trevor Haigh  
**Subject:** FW: Cellars clough Marsden 2016-91573  
**Attachments:** Marsden, Cellars Clough Mill, Manchester Road, FUR - 2016-91573.doc

Please see my latest comments attached and the crucial email below which should be treated as an addendum to the FRA Revision C.

Given this site has a mill pond, a 106 Unilateral Undertaking should include all agreements to maintain and manage this aspect of the development in addition to the LPA's obligation to ensure maintenance of surface water features through the same process.

Kind regards,

Paul Farndale

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**From:** Trevor Haigh [mailto:trevor.haigh@haighhuddleston.co.uk]  
**Sent:** 17 September 2018 13:09  
**To:** Paul Farndale <Paul.Farndale@kirklees.gov.uk>  
**Cc:** David Storrie <david.storrie@enzygo.com>  
**Subject:** Cellars clough FRA

Dear paul

Further to our site visit and the further information submitted prior to our recent meeting.

The outfalls from the mill pond was inspected as shown on our submitted details and explained how they will operate. I can confirm that all existing penstocks and valves will be inspected and renewed as required as part of the pre start of the project. They will then be inspected on an annual basis and repaired as necessary.

The walls to the upstream mill pond will be inspected on a yearly basis following drilling and grouting operations which will ensure That there are to ensure no leakage of water from the ponds takes place through the walls.

The trees to the southern side of the mill ponds wall are not considered a threat to the structural stability of the walls but will be inspected on an annual basis and removed if so required.

The goit or race from the river is considered to be suitable for purpose but will require removal of fallen trees and any other debris within the channel. The inlet to the goit should be inspected on an annual basis and the penstock checked for operational use on a twice yearly basis.

The downstream out let from the ponds to the original turbine will be sealed off and the downstream legs grouted up or grubbed out . It not believed that there are any further connections to this other than from the roof and yard drainage which will be replaced with new drainage.

A new draw down facility will be constructed with in the eastern mill pond that is to be infilled to allow rapid draw down of the pons as required.

The existing side over flow will be examined and minor repairs carried out to ensure that the penstocks and cascade weir id fully operational.

The storage system for the attenuation on the surface water system will be in the form of an underground tank or an open detention basin with

1 in 4 slopes and flow control device which will be inspected on an annual basis and subject to a regular management and maintenance scheme.

The scheme will include for regular grass cutting and removal of any deleterious matter on a monthly basis.

I think this covers all the matters we discussed on site and I trust this will allow you to approve the details as we discussed on site.

Regards

Trevor Haigh B.Sc., C. Eng., M.I.C.E.

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