

**From:** [Rob Smith](#)  
**To:** [Planning](#)  
**Subject:** 2019/0534/cvc  
**Date:** 11 November 2019 14:27:43

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**From:** Jack Blow  
**Sent:** 11 November 2019 14:25  
**To:** Julia Beaumont  
**Cc:** Rob Smith;  
**Subject:** RE: Woodsmith mine phase 11

Hi Julia,

Thanks for further clarification below.

With regards to point 1 we've reviewed the sensitivity check with the additional flooded volume looped back into the system and we're happy that the volumes can be contained within the freeboards.

As for point 2, thank you for sending the additional offline controls i.e. the weir details. It doesn't appear that these were included in the original Micro Drainage package you sent a couple of weeks ago, hence some of the confusion. We're now satisfied with the information provided.

Thank you for taking the time and co-operation in going through the calculations to clear up any uncertainties.

Rob,

Please can you take this as our formal recommendation that conditions 60 and 79 have been discharged for Phase 11.

Kind Regards

Jack  
*Jack Blow*  
*Transport and Development Engineer*

*North Yorkshire County Council, Highways and Transportation,  
County Hall, Northallerton, DL7 8AD*

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**From:** Julia Beaumont  
**Sent:** 08 November 2019 11:56  
**To:** Jack Blow  
**Cc:** Rob Smith  
**Subject:** RE: Woodsmith Mine Phase 11

Hi Jack,

I have tried to phone you to discuss your additional queries. Below is clarification on the queries you raised:

- Our current model is built such that any flooding on site is lost and it is not recaptured within the network, this is due to the limitations of the modelling software. If an overflow was introduced to loop the larger flood volumes back into the network, the volume will re-enter the system instantly when simulated. This will not emulate how the water will flow over the surface and the associated attenuation before reintroduction into the network. We have taken the view that the all the flood volume within the site is contained within the platform boundary and will therefore all pass through the oil interceptors before discharging to the attenuation ponds. We have also taken the view that this relatively small volume in relation to the size of the site would not increase the final discharge rate significantly.

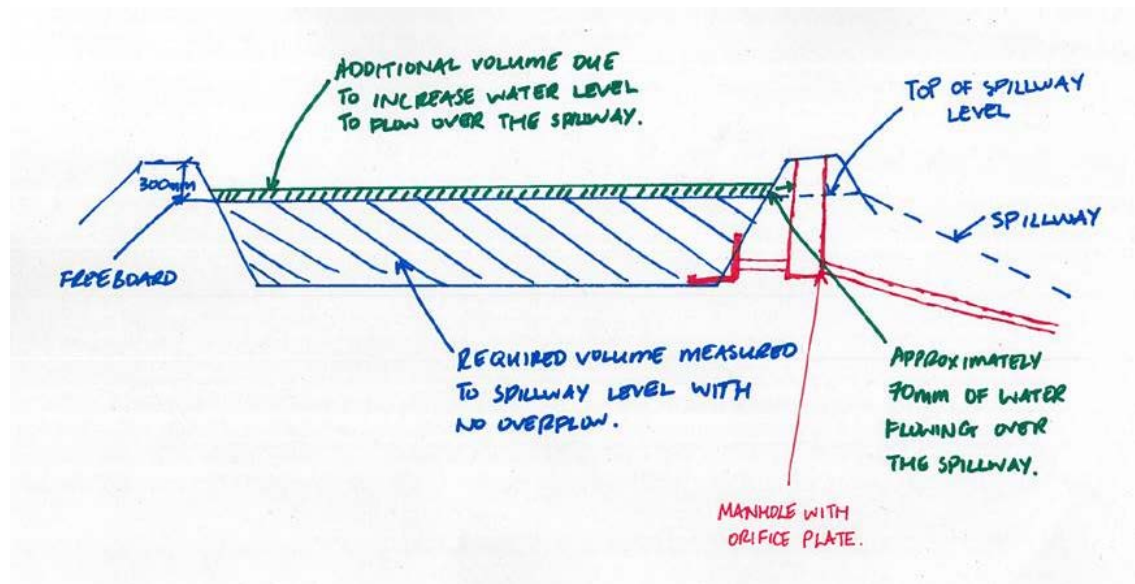
To confirm the above assumptions, we have added an overflow into our model from pipe PH3-N-1.017 to overflow to pipe PH3-N-17.007 (this is the section of ditch that we expect the flood volume will flow over the platform to) to confirm how the network reacts. We have simulated this for the critical storm event in the 1 in 20 year return period and the results are attached (Revised with 150m<sup>3</sup>). The simulation shows there is now some flooding on the eastern platform ditch PH3-N-17.008 and PH3-N-17.009 of 23m<sup>3</sup> and 22m<sup>3</sup> respectively. This flooding will be contained within the free board of the ditch, which is not included in the model. Additionally, the ditch is in a small valley containing any flooding from the ditch in the platform area. The simulation also shows that the overall discharge rate off the site has not been significantly affected. As noted above we do not consider this a realistic representation of how this flood volume is captured on site. Introducing this flood volume into the model has not had a significant affect to the overall performance of the model and the final discharge rate.

- With regards to the ponds, in normal operation, outfalls between ponds are via an outfall manhole and orifice plate at the base of the pond which controls the flow from pond to pond. In storm events with larger return periods the ponds are designed to overflow into the

next pond in a controlled manner (in addition to the orifice plate), this is done via a 10m wide spillway as detailed in the offline controls details from the MicroDrainage model attached (spillways). By incorporating controlled overflows for all ponds, we can achieve the required attenuation and in larger return periods we can remain significantly below the permitted discharge rate. The sketch below is a typical cross section of the ponds which shows the level of the orifice plate is at the base of the pond and the spillway is a separate structure set at a higher level.

The attenuation volume required and shown on our drawings is the maximum volume of the pond before the pond starts to overflow via the spillway in higher storm events. This volume is calculated from the spillway level to the base of the pond, shown in the sketch below as the blue hatched area.

The simulation results for the 1 in 20 year return period shows that the ponds are overflowing and using the spillways. The maximum volume of the ponds are also recorded to be higher than our required attenuation volume stated on our drawing, this is due to the water level having to increase in order to spill over the spillway. The total depth of water spilling is approximately 70mm and this is held within the freeboard of the pond, this volume is illustrated by the green hatch in the sketch below. Therefore, the maximum volume recorded in the simulation results is the sum of the attenuation volume and the overflow volume.



If you would like to discuss further please don't hesitate to call me.

Kind regards,

Julia Beaumont  
Engineer

Arup

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**From:** Jack Blow  
**Sent:** 05 November 2019 15:22  
**To:** Julia Beaumont  
**Cc:** Rob Smith  
**Subject:** [External] RE: Woodsmith Mine Phase 11

Hi Julia,

Thank you for clarification on the points we raised previously.

We don't appear to be too far off now, however could you just provide clarification on a couple of remaining issues.

I've put these in Red under the relevant points in your previous email below.

If you have any questions regarding any of the comments below, please don't hesitate to contact me.

Kind Regards

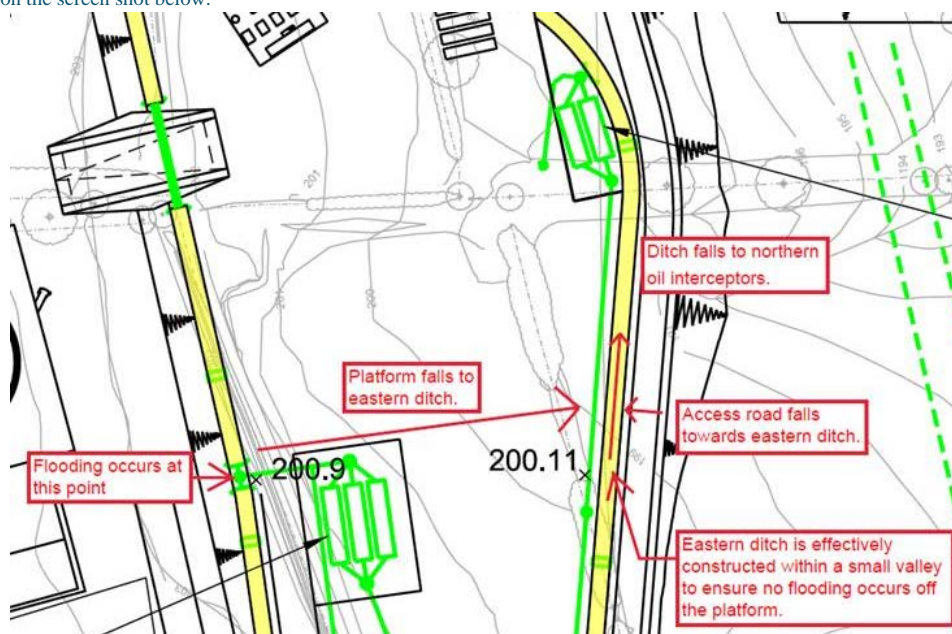
Jack  
Jack Blow  
Transport and Development Engineer

**From:** Julia Beaumont  
**Sent:** 04 November 2019 13:24  
**To:** Jack Blow  
**Cc:**  
Woodsmith Mine Phase 11

Hi Jack,

Further to your email, please see below our bulleted response:

- Flooding from pipe PH3-N-1.017 occurs at the point where an open cut platform drainage ditch outfalls into a piped drainage section and the 3no. oil interceptors. All the ditches were constructed with 300mm freeboard which is not included within the MicroDrainage model calculations and therefore some of this volume will effectively be held within the ditch. The remaining flooding volume will still be contained within the overall platforms area, with the natural fall across the lower platform been in a easterly direction. Any flooding will natural fall in an easterly direction across the lower platform and be collected in the lower platform drainage system as illustrated on the screen shot below.



This ditch is located within a small valley, bounded by the platform to its west and a surfaced access road formed of compacted mudstone to its east and therefore if this ditch was to overtop, any flooding will be contained by ponding within the valley and on the platform. It should be noted that both the platform and access road fall towards the drainage ditch. The eastern platform drainage ditch outfalls through the 2no. northern oil interceptors before discharging into the main site attenuation ponds.

How does the model represent the overland flow being captured by the ditch? How is it ensure that the 150m<sup>3</sup> is not lost from the model and re-introduced into the ditch

- The attenuation ponds have been modelled such that the pond structures have an arbitrary depth and the actual volume within the pond is defined by the spillway level relative to the base of the pond. The pond depth above the spillway level effectively becomes free board. The reason the ponds were modelled this way was to enable the spillway level to be adjusted more easily when we were developing the initial designs to ensure the ponds were sized and designed efficiently.

This explains why on page 161 of the full MicroDrainage details it shows the storage structure volume being much higher than as stated on our drawings. However once we have set the level of the spillways it sets the required volumes as stated on the drawing (volume provided between the base of the pond and spillway level). When looking at the simulation results, these show the maximum attenuation volumes required within the ponds (refer to page 190). It should be noted that the simulation results show a slightly higher volume than the pond volume provided on the drawing as a result of the depth of water which is spilling over the spillway and which is contained within the as constructed pond freeboard of 300mm. This has the impact of effectively increasing the total storage volume of the attenuation pond.

Understood. But for MANHOLE PH3-N-1013 DS/PN: PH3-N-1.036 the flow control device is shown to be an orifice not a weir or similar device – how do you set the height of a spillway from the results of an orifice? Also what assumptions were made when assigning the ponds the

volumes on the drawings i.e. Pond A requires 3950 but has only been assigned 3700m2 o the drawing.

Hopefully the above information clarifies your points raised, however if you require any more clarification, please let me know.

Kind regards,

**Julia Beaumont**  
Engineer

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**From:** Jack Blow  
**Sent:** 01 November 2019 16:37  
**To:** Julia Beaumont

**Subject:** [External] RE: Woodsmith Mine Phase 11

Hi Julia,

Thanks for providing the additional information requested.

We've reviewed the Micro Drainage calculations, could you please provide clarification on the following:

Pipe No: PH3-N1.017, shows 158.944 m<sup>3</sup> of flooding. Whilst we appreciate flooding is occurring from other parts of the system, this volume seems significant in comparison, could you please provide an explanation of what's happening in this part of the system.

With reference to Ponds A, B and C and Wetland A. Why is the required volume higher than the one shown on the drawing submitted a couple of days ago?

Many Thanks

Jack  
Jack Blow  
Transport and Development Engineer  
North Yorkshire County Council  
Highways and Transportation  
County Hall  
Northallerton  
DL7 8AD

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**From:** Julia Beaumont  
**Sent:** 01 November 2019 13:55  
**To:** Jack Blow  
**Cc:** Rob Smith  
**Subject:** RE: Woodsmith Mine Phase 11

Hi Jack,

As discussed on the telephone, we have extracted the full network details and simulation results from our Micro Drainage model. For clarity we have provided the following information:

- The design criteria
- Full Network Details
- Manhole Schedule
- Pipe Schedule
- Outfall Details
- Simulation Criteria
- Online Controls

- Storage Structures
- Volume Summary Centre-Centre
- Volume Summary Storage Structures
- The critical simulation results for the 1 in 20 year return period.
- A plot of our layout from MicroDrainage.

We appreciate that this is a very large model so to try to make it clearer I have added some notes on the pdfs to show which pipes are platform drainage and which are swales etc.

The plot of the layout from MicroDrainage also shows the areas allocated for the drainage network (as per Table 3.0 in Section 3.2 of the Phase 11 Report 40-ARI-WS-7100-CI-RP-01007), they are shown as the following:

- Green – 100% Impermeable
- Red – 80% Impermeable
- Blue – 30% Impermeable.

The MicroDrainage results do not include the Material Handling Area as this was modelled separately, however we are restricting the flow from this area to 50l/s (greenfield run off rate) which is less than the 80% impermeably applied to the area within this model.

If you have any queries about any of the above please don't hesitate to contact me. If you think it would be beneficial we can arrange a meeting to discuss and talk through the model in more detail.

Kind regards,

**Julia Beaumont**  
Engineer

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**From:** Jack Blow  
**Sent:** 31 October 2019 14:48  
**To:** Julia Beaumont

**Subject:** [External] RE: Woodsmith Mine Phase 11

Hi Julia,

We've been over the information you've provided and as you say Phase 11 supersedes the strategy for Phases 3 and 7.

In principle the new strategy works, however further information will be required before we can make a final decision.

Could you provide the Model Parameters and Network Detail for the micro drainage, thus providing the full micro drainage details instead of outputs only.

If you have any questions regarding the above, please don't hesitate to contact us.

Kind Regards

Jack  
Jack Blow  
Transport and Development Engineer  
North Yorkshire County Council  
Highways and Transportation  
County Hall  
Northallerton  
DL7 8AD

**Sent:** 22 October 2019 15:26  
**To:** Jack Blow  
**Cc:** Chris Williams  
**Subject:** RE: Woodsmith Mine Phase 11

Hi Jack,

Further to your email, I have tried to call you earlier today to confirm exactly what additional information you require. Please find attached the drawings and Micro Drainage model graphical outputs that were included within the planning documentation as follows:

- Drainage GA, 40-ARI-WS-7100-CI-22-01057 (provided in Appendix B of the report).
- Materials Handling Area, 40-ARI-WS-7100-CI-18-01063 (provided in the planning package)
- Wetland A Micro Drainage results graph, on the flow graph the outflow line shows that the flow is 131.8l/s and does not exceed the allowable discharge of 211.6l/s. (provided in Appendix D of the report)

Can you please confirm whether this is sufficient to enable you to sign off the conditions or do you require further detailed information?

If you would like to discuss further, please do not hesitate to contact me.

Kind regards.

**Julia Beaumont**  
Engineer

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**From:** Jack Blow  
**Sent:** 21 October 2019 13:02  
**To:** Julia Beaumont  
**Cc:** Chris Williams  
**Subject:** [External] RE: Woodsmith Mine Phase 11

>

Hi Julia,

All of the information below sounds satisfactory. However before any approval of conditions 60 and 79 are made please illustrate the details provided below onto a plan, clearly showing where everything is going and how it's going to work please.

Can we also have the full calculations for the micro drainage, so that we can confirm where these figures have come from please.

Thanks again

Jack  
Jack Blow  
Transport and Development Engineer  
North Yorkshire County Council  
Highways and Transportation  
County Hall  
Northallerton  
DL7 8AD

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**From:** Julia Beaumont  
**Sent:** 18 October 2019 16:11  
**To:** Jack Blow  
**Subject:** Woodsmith Mine Phase 11

Hi Jack,

Following our telephone conversation yesterday, please find below a summary of our discussion. When discharging previous planning phases we have typically referred back to the Phase 3 Surface Water Management Scheme and Strategy and highlighted where the works been

discharged vary from this. This was originally written for the development of the construction platforms and temporary earthwork mounds. As part of discharging the conditions for the Phase 7 works we provided an addendum to this original document as the works included an additional drainage catchment, outfall to the LNG platform and the surface water treatment facility.

The Phase 11 works include the placement of extractive material within an initial area of Bund F which forms the permanent earthwork screening mounds and therefore this requires a further change to the drainage strategy. Instead of providing a further addendum to the previous documents, we have produced a stand-alone document which supersedes the Phase 3 and Phase 7 documents and covers both surface water drainage from the platforms and earthworks. The document is written such that it forms the basis for the construction of all future permanent earthwork mounds and therefore in discharging future earthwork phases, reference back to the Phase 11 document can be made. The document also aligns more closely to documentation submitted in support of the Environmental Permit application under reference EPR/MB3399VR.

Chapter 1 of the report provides an overview of the proposed works being carried out during Phase 11 and identifies where the works will have an impact on the surface water drainage system. The Phase 11 works which will have an impact on the drainage scheme are the installation of a materials handling area and the placement of extractive material within the permanent earthwork screening mounds. The impacts are outlined below:

#### **Material Handling Area**

This consists of the creation of an additional 0.34ha hardstanding platform area and is shown on drawing 40-ARI-WS-7100-CI-18-01063. The area is to be drained to a perimeter concrete canvas lined ditch, attenuated adjacent to the platform before outfalling into the main site attenuation ponds at the greenfield run-off rate via the Bund F perimeter swale.

The area will be used for conditioning of extractive material prior to placement in the permanent landscape mounds. Surface water runoff from the area will be tested to ensure that the agreed surface water quality trigger levels are not exceeded at the agreed monitoring points. In the event that the water quality levels are exceeded, a penstock is provided on the outfall from the attenuation basin (as shown on drawing 40-ARI-WS-7100-CI-18-01063) which can be closed and surface water drainage diverted to the non-domestic water treatment plant for treatment if required.

The storage volume of the attenuation basin is 326m<sup>3</sup> which is based on a quick storage estimate using a critical duration rainfall for a 1 in 20 year return period event assuming no outfall from the platform during this event. To reduce the risk of silty run-off from the platform to the wider drainage system, the ditch is designed to encourage settlement of larger particles.

#### **Development of Landscaping (Permanent earthwork mounds)**

During the Phase 11 works, extractive material will be placed in the permanent landscape mounds in an initial area to the west of Wetland C (to the north eastern corner of the site). Surface water runoff from the mound will be drained by a herringbone filter drainage system placed below the restoration soils. The filter drains will outfall into the existing mound perimeter swale which outfalls into Wetland C and during the construction phase into the main site attenuation ponds for attenuation prior to discharge off-site.

A basal drainage collection system will be provided to the base of the mound. This will consist of a piped collection system and outfall into the bund perimeter swale. The design of the system is such that the basal drainage system can be isolated and a separate collection system provided if required.

#### **Overall impact to the drainage system**

Chapter 3 of the report outlines the modelling and calculation results for the Phase 11 works, which ensures that the surface water discharge rate from this phase is within the allowable discharge rate. Table 3.1 shows the site catchment areas and the allowable discharge rate based on the gross area drained multiplied by the greenfield run-off rate. This demonstrates that the total gross area drained is 32.7 ha which gives an allowable discharge rate of 211.6 l/s. The modelled discharge rate is 131.8 l/s which is below the allowable discharge rate, this modelled discharge rate is shown in the graph in Appendix D of the report which shows the flow rate does not exceed the allowable discharge rate.

Table 3.2 summarises the volume of attenuation required as demonstrated by the Micro Drainage model and compares this against the actual attenuation volumes provided on site. Appendix C shows the Micro Drainage results for the capacity of the attenuation ponds required during this phase. The report notes that there is a small risk of the capacity of the surface water treatment facility being exceeded in higher storm events with a small amount of excess water discharging from Pond C into Wetland A via the emergency overflow in the 1 in 6 year storm event and above. The combined discharge rate from Wetland A, which includes the flow from the surface water treatment facility and the emergency overflow from Pond C, is a total of 131.8 l/s which remains lower than the allowable discharge rate of 211.6 l/s (as detailed above).

#### **Conclusion**

The Phase 11 report demonstrates that the proposed arrangements will ensure that the site is not at risk of flooding and does not impact on flood risk elsewhere. The report also states that the Surface Water Drainage design and management during the Phase 11 Works meets the requirements of conditions 60 and 79 of the North York Moors National Park Authority (NYMNP) planning permission NYM/2014/0676/MEIA, as subsequently varied by NYM/2017/0505/MEIA.

I hope that this is a clear summary of the Phase 11 works and drainage strategy, if you have any further queries or would like to discuss any of the above further please do not hesitate to contact me.

Kind regards,

Julia Beaumont  
Engineer



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North Yorkshire County Council.

**From:** Nick Mason  
**Sent:** 01 October 2019 14:06  
**To:** Rob Smith  
**Subject:** RE: External Transmittal No : SMP-NPA-TR-0017

Hi Rob,

Thank you for the updated WSI. I'm pleased to say that it is now satisfactory, it can be approved and as far as the archaeology is concerned Phase 11 is ready to start. As mentioned in the text under 4.1, I look forward to hearing from Cotswold/Sirius about a specific tree-removal methodology if required for trees directly affecting archaeological features.

Best,

**Nick Mason**  
**Archaeology Officer**

**From:** Nick Mason  
**Sent:** 24 September 2019 12:42  
**To:** Rob Smith  
**Subject:** RE: Woodsmith revised WSI

Thanks Rob,

Whilst the updated WSI is an improvement and our concerns are all noted in it, there remain a few points that we would like to see more clearly defined. This is to ensure that the right conversations will take place between the archaeological contractors and other contractors prior to and during works, we don't want anything to be missed.

- Section 2.3 refers to HER record 10409, and Fig. 2, 16. Fig. 2 does not appear to refer to any HER records.
- The potential for Mesolithic archaeology, and the importance of identifying it, has been noted in section 4.4 of the WSI. It is likely that any Mesolithic archaeology discovered will be just flint, likely to be disparate and hard to spot. Unfortunately the HER entry for the recorded flint finds does not include an exact location or circumstances of the discovery, so we do not know if they were surface finds collected during a specific survey, or underground, eg from a tree throw. Without going as far as sieving all spoil from the plantation stripping, it would be useful to see a proposed methodology to ensure the best chance of identifying Meso material.
- It's good to see the Arboricultural Method Statement for the site attached. It notes under 4.3-4 that meetings will be held in advance of works between the arboriculturalists and other contractors: I wanted to ensure that this happens early on so those responsible for felling are aware of any archaeological mitigation well in advance. As Cotswold have pointed out, grubbing is not appropriate on archaeological features, and another methodology will need to be worked out and approved by the LPA. For example, will felling access and tree removal be possible without disturbing the features, allowing archaeologists to investigate around the stump after? We want to be sure there is mitigation prepared for this eventuality now.

I hope these queries all make sense, and if any of the relevant contractors would like to discuss these issues before any works start, I'm happy to be contacted.


Best,

**Nick Mason**  
**Archaeology Officer**

**NORTH YORKSHIRE COUNTY COUNCIL**  
**BUSINESS and ENVIRONMENTAL SERVICES**  
**LEAD LOCAL FLOOD AUTHORITY**  
**CONSIDERATIONS and RECOMMENDATION**



|  |  |                          |  |
|--|--|--------------------------|--|
| <b>Application No:</b>   | <b>NYM/2019/0524/CVC LLFA</b>  |                          |  |
| <b>Proposed Development:</b>   | <p>Application for verification check of conditions 4, 18, 29, 34, 45, 46, 47, 52, 57, 60, 64, 68, 70, 71, 73, 76, 79, 81, 87, 91, 92, 93, 94, 95 and 97 of planning approval NYM/2017/0505/MEIA at Land at Woodsmith Mine (formerly Doves Nest Farm &amp; Haxby Plantation), Sneatonthorpe (minehead); underneath 252 km2 of the NYMNPA (winning &amp; working of minerals); a corridor extending underground from the edge of the NP boundary to Wilton Complex (mineral transport system); Ladycross Plantation near Egton, Lockwood Beck Farm near Moorsholm, Tocketts Lythe, near Guisborough (intermediate shaft sites); site within the eastern limits of the Wilton Complex, Teeside (tunnel portal)</p> |                          |  |
| <b>Location:</b>   | at Land at Woodsmith Mine (formerly Doves Nest Farm & Haxby Plantation), Sneatonthorpe (minehead);   |                          |  |
| <b>Applicant:</b>  | Mr Robert Staniland  |                          |  |
| <b>District/Borough:</b>   | North York Moors National Park Authority   |                          |  |
| <b>FRM Engineer:</b>   | Seraya Simcoe  | <b>LPA Case Officer:</b> |  |
| <b>Note to the Planning Officer:</b>   |  |                          |  |
| <p>Thank you for consulting the Lead Local Flood Authority on the planning application referenced above.</p> <p>The following documents are noted:</p> <ul style="list-style-type: none"> <li>• NYMNPA 60 and 79 Surface Water Drainage Scheme, Arup, Reference 40-ARI-WS-7100-CI-RP-01007, Revision 0, Dated 24 July 2019.</li> </ul> |  |                          |  |
| <b>Date:</b>   | 6 September 2019   | <b>Approved by:</b>      | Emily Mellalieu<br>Flood Risk Management Team Leader |
| <b>FAO:</b>  |  |                          |  |
| <b>Issued by:</b>  | Seraya Simcoe  |                          |  |

|   |                               |   |
|---|-------------------------------|---|
| <b>LEAD LOCAL FLOOD AUTHORITY<br/>CONSIDERATIONS and RECOMMENDATION</b> |                               |  |
| Continuation sheet:   | Page 2 of 2                   |   |
| Application No:   | <b>NYM/2019/0524/CVC LLFA</b> |   |

- Woodsmith Mine, Construction Phase 11, Masterplan, Arup, Reference 40-ARI-WS-7100-CI-22-01055, Revision 1, Dated 25/07/2019.
- Woodsmith Mine Site, Construction Phase 11, Drainage General Arrangement, Arup, Reference 40-ARI-WS-7100-CI-22-01057, Revision 1, Dated 25/07/2019.
- Woodsmith Mine Site, Construction Phase 11, Bund F Basal Drainage, Arup, Reference 40-ARI-WS-7100-CI-22-01064, Revision 0, Dated 19/07/2019.
- Woodsmith Mine Site, Construction Phase 11, Surface Water Drainage, Arup, Reference 40-ARI-WS-7100-CI-22-01065, Revision 0, Dated 19/07/2019.
- Woodsmith Mine Site, Construction Phase 11, Bund A Surface Water Drainage, Arup, Reference 40-ARI-WS-7100-CI-22-01066, Revision 0, Dated 19/07/2019.

**Recommendation to the Local Planning Authority:**

The submitted documents demonstrate a reasonable approach to the management of surface water on the site and satisfy general surface water drainage principle.

The submitted MicroDrainage model results as part of the Surface Water Drainage Scheme shows flooding for the 1 in 20 year design flood event (construction) for pipe PH3-N-24.029 and also appears that the model run developed errors and should be corrected. It is also unclear which pipe this flooding relates to and what the impact of the modelled drainage flooding would be.

Full details of the MicroDrainage model and results are required to confirm that the surface water drainage proposals are adequate for the Phase 11 part of the overall development.

**Condition 60 – Construction Surface Water Drainage Design**

**This condition cannot be discharged at this time.**

The LLFA cannot recommend the discharge of Condition 60. The Authority recommends that the above information is submitted to the Local Planning Authority.

**Condition 79 – Phased Surface Water Drainage Design**

**This condition cannot be discharged at this time.**

The LLFA cannot recommend the discharge of Condition 79. The Authority recommends that the above information is submitted to the Local Planning Authority.

**From:** Ailish Lilley

**Sent:** 28 August 2019 15:34

**To:** Rob Smith

**Subject:** FW: Land at Woodsmith Mine (formerly Doves Nest Farm & Haxby Plantation), Sneatonthorpe (minehead); underneath 252 km<sup>2</sup> of the NYMNPA (winning & working of minerals); a corridor extending underground from the edge of the NP boundary to Wilton Complex (mine

Hi Rob

I refer to your consultation on the attached application. I have reviewed the noise and vibration management plan, as part of the planning submission, and the correspondence between yourself and Rob Staniland and his response dated 20<sup>th</sup> August 2019.

I support the comments raised by yourself and am satisfied by the responses given. One of the remaining issues I have is found in para 6.3.2 of Phase 11 Noise and Vibration Management Plan

Condition NYMNPA 20 establishes a daytime (07:00 to 19:00) noise limit relating to the Woodsmith Mine site, specifically for temporary noisy operations which allow for the construction/reduction of earth bunds and or barriers as detailed in Table 1-2. The condition stipulates an upper limit of 70dB L<sub>Aeq,1hr</sub> which is applicable for up to 56 days in any calendar year and would apply to these Works.

I disagree with the assertion that the exemption for noisier activities would apply to 'reduction' of earth bunds, it refers to the 'provision' of noise reducing bunds. The design of the acoustic fences/bunds including height width etc. should be driven by acoustic principles, and if needed to be amended from an operational/landscaping point of view this would not be in the spirit of the exemption.

I would like to take the opportunity to witness the blast testing and monitoring described at 5.1.7 once a timetable has been established.

Regards

Ailish Lilley  
Environmental Health Officer  
Commercial Regulation  
Environmental Services  
Scarborough Borough Council  
Town Hall  
St Nicholas Street  
Scarborough



YO11 2HG

**NORTH YORKSHIRE COUNTY COUNCIL  
BUSINESS and ENVIRONMENTAL SERVICES**



**LOCAL HIGHWAY AUTHORITY  
CONSIDERATIONS and RECOMMENDATION**

**Application No:** **NYM/2019/0524/CVC**

**Proposed Development:** Application for verification check of conditions 4, 18, 29, 34, 45, 46, 47, 52, 57, 60, 64, 68, 70, 71, 73, 76, 79, 81, 87, 91, 92, 93, 94, 95 and 97 of planning approval NYM/2017/0505/MEIA

**Location:** Land at Woodsmith Mine (formerly Doves Nest Farm & Haxby Plantation), Sneatonthorpe (minehead);

**Applicant:** Mr Robert Staniland

**CH Ref:** TD-D3-796 **Case Officer:** Pam Johnson

**Area Ref:** **Tel:**

**County Road No:** **e-mail:**

**To:** North York Moors National  
Park Authority  
The Old Vicarage  
Bondgate  
Helmsley  
YO62 5BP **Date:** 29 August 2019

**FAO:** **Copies to:**

The Highway Authority has received sufficient information to discharge the condition relating to **NYM/2019/0524/CVC** however further assessment of these proposals may be required to ensure compliance with highway legislation

The Local Highway Authority has considered the following conditions:-

| Number | Discharged/Not Discharged    |
|--------|------------------------------|
| 4      | Discharged                   |
| 18     | Outside the remit of the LHA |
| 29     | Outside the remit of the LHA |
| 34     | Discharged                   |
| 45     | Outside the remit of the LHA |
| 46     | Outside the remit of the LHA |
| 47     | Outside the remit of the LHA |
| 52     | Outside the remit of the LHA |
| 57     | Outside the remit of the LHA |
| 60     | Outside the remit of the LHA |
| 64     | Outside the remit of the LHA |
| 68     | Outside the remit of the LHA |
| 70     | Outside the remit of the LHA |
| 71     | Outside the remit of the LHA |

**LOCAL HIGHWAY AUTHORITY  
CONSIDERATIONS and RECOMMENDATION**



Continuation sheet:

Application No:

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Continued...Number

73

76

79

81

87

91

92

93

94

95

97

Discharged/Not Discharged

Outside the remit of the LHA

Outside the remit of the LHA

Outside the remit of the LHA

Outside the remit of the LHA

Outside the remit of the LHA

Outside the remit of the LHA

Discharged

Discharged

Discharged

Outside the remit of the LHA

Outside the remit of the LHA

**Signed:**

***Pam Johnson***

*For Corporate Director for Business and Environmental Services*

**Issued by:**

Transport and Development

East Block

County Hall

Northallerton

North Yorkshire

DL7 8AH

**e-mail:**

**From:** [Nick Mason](#)  
**To:** [Planning](#); [Rob Smith](#)  
**Cc:** [Briony Fox](#); [Mags Waughman](#); [Graham Lee](#)  
**Subject:** NYM/2019/0524/CVC Archaeology comments  
**Date:** 27 August 2019 15:58:26

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Dear Rob,

The Condition Verification Check submitted for Phase 11 at the Woodsmith Mine Site mentions archaeological mitigation in the Royal Haskoning environmental management plan, section 8. The plan states that the tree clearance and new groundworks phase will be subject to mitigation as outlined in the Phase 4 WSI (40-COT-WS-70-EN-PL-0002). Unfortunately though we have no copy of that WSI on file, and also would like to request that a special comment be added to the WSI for the Haxby Plantation area concerning the potential of Mesolithic archaeology.

Please could the relevant WSI be made available to NP archaeologists for further consultation. Of course we are happy to discuss options with Cotswold Archaeology or Sirius on this, I'm sure that the WSI is wholly appropriate but it's original submission predates my employment with the NP so it would be good to check it over and include the extra prehistory comments.

Best regards,

**Nick Mason**  
**Archaeology Officer**

**North York Moors National Park Authority**  
**The Old Vicarage**  
**Bondgate**  
**Helmsley**  
**York**  
**YO62 5BP**  
**U.K.**

**Tel: 01439 772700**  
**[www.northyorkmoors.org.uk](http://www.northyorkmoors.org.uk)**

Date: 23 August 2019  
Our ref: 291089  
Your ref: NYM/2019/0524/CVC



Rob Smith  
North York Moors National Park Authority  
The Old Vicarage  
Bondgate  
Helmsley,  
North Yorkshire  
YO62 5BP  
[planning@northyorkmoors.org.uk](mailto:planning@northyorkmoors.org.uk)

Customer Services  
Hornbeam House  
Crewe Business Park  
Electra Way  
Crewe  
Cheshire  
CW1 6GJ

## BY EMAIL ONLY

Dear Rob Smith

**Planning consultation:** Phase 11 application for verification check of conditions 4, 18, 29, 34, 45, 46, 47, 52, 57, 60, 64, 68, 70, 71, 73, 76, 79, 81, 87, 91, 92, 93, 94, 95 and 97 of planning approval NYM/2017/0505/MEIA

**Location:** Land at Woodsmith Mine (formerly Doves Nest Farm & Haxby Plantation), Sneatonthorpe (minehead); underneath 252 km<sup>2</sup> of the NYMNPA (winning & working of minerals); a corridor extending underground from the edge of the NP boundary to Wilton Complex (mineral transport system); Ladycross Plantation near Egton, Lockwood Beck Farm near Moorholm, Tocketts Lythe, near Guisborough (intermediate shaft sites); site within the eastern limits of the Wilton Complex, Teesside (tunnel portal).

Thank you for your consultation on the above dated 02 August 2019.

Natural England is a non-departmental public body. Our statutory purpose is to ensure that the natural environment is conserved, enhanced, and managed for the benefit of present and future generations, thereby contributing to sustainable development.

This letter represents Natural England's response to the Phase 11 condition discharge consultation. We have comments to make on the following conditions.

### **Discharge of planning conditions NYMNP 45, 46 and 47 Hydrological Risk Assessment**

Natural England welcomes Hydrological Risk Assessment NYMNPA 45 & 46 (40-FWS-WS-70-WM-RA-00013 Rev 03) and is satisfied with the discharge of this condition for phase 11. We note the reference to the Ugglebarnby Moor Vegetation Survey (2018).40-PCA-WS-8300-EN-SV-00001/V3 and the potential to reclassify the habitat and hydrological sensitivity on Ugglebarnby Moor in the report. Natural England would want to assess the new information and analysis before the risk assessment for this habitat is changed. However we understand that the risk assessment has not yet been changed for this assessment so have no concerns at this stage.

### **Discharge of Planning Condition NYMNPA-76 Soil Management Plan**

Natural England welcomes the Woodsmith Mine – Phase 11 Works – NYMNPA 76 Soil Management Plan (40-ARI-WS-7100-CI-PL-01000) which satisfies our interests regarding agricultural land quality and soils.

### **Discharge of Planning Condition NYMNPA-57 Landscape and Ecological Management Plan**

Natural England notes that the covering letter states that no additional information has been provided regarding the discharge of condition NYMNPA-57 with this phase and that the discharge relies on the information provided with phase 3. Although we have no specific concerns regarding the proposals at this stage we are concerned that the landscape information may be getting out of

date which is making landscape decision making difficult. We note for instance that the Phase 3 Landscape and Ecological Management Plan (40-RHD-WS-70-EN-PL-0008) is clear that the measures set out are for phase 3 only.

In addition we note a number of references in the consultation information for phase 11 which appear to refer to updated landscape evidence. For example we note that the Woodsmith Mine – Phase 11 Works – NYMNPAs 76 Soil Management Plan (40-ARI-WS-7100-CI-PL-01000) refers to a DRaW, Landscape & Ecological Management Plan – Phase 11 (NYMNPAs 57) while the Phase 11 Works at Woodsmith Mine, North Yorkshire – Groundwater Management Scheme (40-FWS-WS 70-WM-PL-0022) refers to a Landscape and Ecological Management Plan with a different reference number to the phase 3 plan 40-ESW-WS-8320-EN-PL-00001. If additional work has been undertaken it would be very helpful for assessing this condition discharge application and those going forward.

Natural England has raised this issue previously in our letter dated 18 April 2019 (Our ref 278691), 16 January 2019 (Our ref 267057) and 22 November 2018 (Our refs 262744, 262740 and 262746)

### **Discharge of Planning Condition NYMNPAs-52 Protected Species Management Plans**

We have not assessed this application and associated documents for impacts on protected species.

Natural England has published [Standing Advice](#) on protected species.

You should apply our Standing Advice to this application as it is a material consideration in the determination of applications in the same way as any individual response received from Natural England following consultation.

The Standing Advice should not be treated as giving any indication or providing any assurance in respect of European Protected Species (EPS) that the proposed development is unlikely to affect the EPS present on the site; nor should it be interpreted as meaning that Natural England has reached any views as to whether a licence is needed (which is the developer's responsibility) or may be granted.

If you have any specific questions on aspects that are not covered by our Standing Advice for European Protected Species or have difficulty in applying it to this application please contact us with details at

We would be happy to comment further should the need arise but if in the meantime you have any queries please do not hesitate to contact us.

For any queries relating to the specific advice in this letter please contact Merlin Ash at  
For any new consultations, or to provide  
further information on this consultation please send your correspondences to

Yours sincerely

Merlin Ash  
Yorkshire and Northern Lincolnshire Team  
Natural England

Mr Rob Smith  
North York Moors National Park  
Development Control  
The Old Vicarage Bondgate  
Helmsley  
York  
YO62 5BP

**Our ref:** RA/2019/140474/01-L01  
**Your ref:** NYM/2019/0524/CVC  
**Date:** 16 August 2019

Dear Rob

**APPLICATION FOR VERIFICATION CHECK OF CONDITIONS 4, 18, 29, 34, 45, 46, 47, 52, 57, 60, 64, 68, 70, 71, 73, 76, 79, 81, 87, 91, 92, 93, 94, 95 AND 97 OF PLANNING APPROVAL NYM/2017/0505/MEIA**

**AT LAND AT WOODSMITH MINE (FORMERLY DOVES NEST FARM & HAXBY PLANTATION), SNEATONTHORPE (MINEHEAD); UNDERNEATH 252 KM2 OF THE NYMNP (WINNING & WORKING OF MINERALS); A CORRIDOR EXTENDING UNDERGROUND FROM THE EDGE OF THE NP BOUNDARY TO WILTON COMPLEX (MINERAL TRANSPORT SYSTEM) LADYCROSS PLANTATION NEAR EGTON, LOCKWOOD BECK FARM NEAR MOORSHOLM, TOCKETTS LYTHE, NEAR GUISBOROUGH (INTERMEDIATE SHAFT SITES); SITE WITHIN THE EASTERN LIMITS OF THE WILTON COMPLEX, TEESIDE (TUNNEL PORTAL)**

Thank you for your consultation regarding the above application which was received on 2 August 2019.

This relates to Phase 11 of works at the Woodsmith Mine Site, requesting partial discharge of Conditions 46, 47, 60, 79 and 81.

We have reviewed the information submitted with the application and in relation to each condition as outlined in Lichfields planning summary document (Ref: 50303/04/HS/JCx/16877357v2).

Based on our review of the submitted information we are comfortable that conditions 46, 47, 60, 79 & 81 can be discharged for Phase 11 works at the Woodsmith Mine Site.

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We trust the above advice is useful.

If I can be of any further assistance, please don't hesitate to contact me.

Yours sincerely

Environment Agency  
Lateral 8 City Walk, LEEDS, LS11 9AT.

[www.gov.uk/environment-agency](http://www.gov.uk/environment-agency)

Cont/d..



**Mr Fraser Tomlinson**  
Sustainable Places Planning Adviser

Our ref: NYM/2019/0524/CVC  
Internal - Yorkshire Wildlife Trust  
Yorkshire Wildlife Trust  
fao: Sara Robin  
1 St George's Place  
York  
YO24 1GN

Date: 02 August 2019

This matter is being dealt with by: Mr Rob Smith

Dear Sir/Madam

**Application for verification check of conditions 4, 18, 29, 34, 45, 46, 47, 52, 57, 60, 64, 68, 70, 71, 73, 76, 79, 81, 87, 91, 92, 93, 94, 95 and 97 of planning approval NYM/2017/0505/MEIA at Land at Woodsmith Mine (formerly Doves Nest Farm & Haxby Plantation), Sneatonthorpe (minehead); underneath 252 km<sup>2</sup> of the NYMNPA (winning & working of minerals); a corridor extending underground from the edge of the NP boundary to Wilton Complex (mineral transport system); Ladycross Plantation near Egton, Lockwood Beck Farm near Moorsholm, Tocketts Lythe, near Guisborough (intermediate shaft sites); site within the eastern limits of the Wilton Complex, Teeside (tunnel portal)**

**Grid Reference 489495 505142**

I have received the above condition verification check application. The details including forms, supporting information and plans for the application are available under the application reference number on the Authority's website using the following link:

<http://planning.northyorkmoors.org.uk/Northgate/PlanningExplorer/ApplicationSearch.aspx> and by following the instructions given.

Should you wish to view the electronic file at the Authority's offices, please call to make an appointment between the hours of 9am and 5pm Monday to Friday.

If you are being consulted by email please allow 24 hours for these plans to be made available.

I would be grateful for any comments you may have on this application within **21 days** of the date of this letter. You may reply by letter, fax, email ([planning@northyorkmoors.org.uk](mailto:planning@northyorkmoors.org.uk)) or by using the Authority's online consultation response form.

If you require any further information at any time please contact either the Planning Officer named above who is dealing with this matter, or a member of the Development Management Administration Team.

Yours faithfully

Mr M Hill

Head of Development Management

**Comments:**

I have briefly looked at the documentation for this application. As with previous applications for the discharge of planning conditions the work is planned to be carried out as per NYM-52 Protected Species Management Plans; which I have checked previously and which was satisfactory.

I am happy that the works should not impact on bat populations.

Sara Robin  
Conservation Officer (Planning)  
Yorkshire Wildlife Trust

1 St George's Place  
York  
YO24 1GN

Website: <http://www.ywt.org.uk>

Mr Rob Smith  
North York Moors National Park  
Development Control  
The Old Vicarage Bondgate  
Helmsley  
York  
YO62 5BP

**Our ref:** RA/2019/140474/02-L01  
**Your ref:** NYM/2019/0524/CVC  
**Date:** 18 September 2019

Dear Rob

**APPLICATION FOR VERIFICATION CHECK OF CONDITIONS 4, 18, 29, 34, 45, 46, 47, 52, 57, 60, 64, 68, 70, 71, 73, 76, 79, 81, 87, 91, 92, 93, 94, 95 AND 97 OF PLANNING APPROVAL NYM/2017/0505/MEIA**

**AT LAND AT WOODSMITH MINE (FORMERLY DOVES NEST FARM & HAXBY PLANTATION), SNEATONTHORPE (MINEHEAD); UNDERNEATH 252 KM2 OF THE NYMNP (WINNING & WORKING OF MINERALS); A CORRIDOR EXTENDING UNDERGROUND FROM THE EDGE OF THE NP BOUNDARY TO WILTON COMPLEX (MINERAL TRANSPORT SYSTEM) LADYCROSS PLANTATION NEAR EGTON, LOCKWOOD BECK FARM NEAR MOORSHOLM, TOCKETTS LYTHE, NEAR GUISBOROUGH (INTERMEDIATE SHAFT SITES); SITE WITHIN THE EASTERN LIMITS OF THE WILTON COMPLEX, TEESIDE (TUNNEL PORTAL)**

Thank you for your consultation regarding the above which was received on 23 August 2019.

We have reviewed the following information submitted;

- Remedial Action Plan, by FWS Consultants Ltd, Dated 13 August 2019, Document number 40-FWS-WS-70-WM-PL-0024, Report reference 1433DevOR445 Rev 3.

The above document seeks to address:

Condition 46, remedial action plan: to contain the remedial actions to be taken in the event that any monitoring triggers of the approved Construction and Operational Phase Ground and Surface Water Monitoring Scheme are exceeded.

### **Environment Agency Position**

Based on our review of the above information we have no objection to the discharge of

Environment Agency  
Lateral 8 City Walk, LEEDS, LS11 9AT.

Cont/d..

condition 46, subject to the recommendations in the supporting document being adhered to. Our detailed comments are as follows;

Section 3.3.2 states

*“A natural (non-site related) exceedance of the GWQ Control Trigger Values in the up hydraulic gradient boreholes may require an adjustment of the Control Trigger value, in line with the revised baseline conditions, as described in the Ground and Surface Water Management Scheme (Ref. 1), and records of any changes and reasons for those changes will be kept for any subsequent required review.”*

While Section 3.3.3 states:

*“If the results of that modelling and additional monitoring show that an adverse impact is occurring in exceedance of the Compliance Trigger Value at the groundwater receptor, then groundwater remediation of the pollution source will be considered and appropriate measures will be implemented, as agreed with the Regulators (see Section 2.2.2).”*

This being the case, we are satisfied that the condition can be discharged, again, provided that the recommendations in the supporting document are adhered to.

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We trust the above advice is useful.

If I can be of any further assistance, please don't hesitate to contact me.

Yours sincerely

**Mr Fraser Tomlinson**  
Sustainable Places Planning Adviser