

Introduction

This document has been prepared on behalf of York Potash Ltd (YPL) and provides a Highway Programme for the highway improvement schemes associated with the York Potash Project. This is required to discharge condition 39 of the North York Moors National Park Authority planning permission NYM/2014/0676/MEIA.

This report only details the works required at the Doves Nest Farm site and highway improvement works in the North York Moors National Park Authority.


The information provided in this submission assumes that funding will be available for the project to meet its current programme.

Compliance with Condition

The wording of planning condition 39 and where the necessary material has been provided within the report is set out in the table below:

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NYMNPA 39	Compliance with Condition 39
Details of a programme for the commencement of all of the off-site highway works. The programme shall have regard to:	<i>A highway programme has been provided.</i>
Level of construction employee traffic;	<i>Information included at section 1.2.</i>
HGV deliveries;	<i>Information included at section 1.3.</i>
Base flow traffic movements;	<i>Information included at section 1.4.</i>
For each off-site highways works, include timings for:	
Submission timings for detailed designs and all construction documentation for off-site highway works;	<i>Information included at section 1.5 and within the Highway Schedule.</i>
Undertaking the necessary Road Safety Audits;	<i>Information included at section 1.6 and within the Highway Schedule.</i>
Formal written approval and permissions to begin works on site;	<i>Information included at section 1.7 and within the Highway Schedule.</i>
The timing of approved construction works;	<i>Information included at section 1.8 and within the Highway Schedule.</i>
Temporary traffic movement	<i>Information included at section 1.9 and within the Highway Schedule.</i>

<p>The off-site highways works, which shall be delivered in accordance with the approved details amended to address all issues raised by the Road Safety Audits, to the approved programme, shall include:</p>	<p><i>This condition will be adhered to.</i></p>
<p>A171 Mayfield Signals: Improvements to the Mayfield traffic signals on the A171 within Whitby to provide improvements for pedestrians and vehicles;</p>	<p><i>Included on Highway Schedule as Highway Improvement 14.</i></p>
<p>Normanby Bends A171: Reinforce/widen the carriageway within the existing adopted highway boundaries to optimise the carriageway available for passing HGVs;</p>	<p><i>Included on Highway Schedule as Highway Improvement 15.</i></p> 
<p>A171 at Lady Cross: A permanent 'ghost island right turn lane' on the A171 the junction of the C82 to Egton;</p>	<p><i>The Lady Cross site is not being progressed at this stage and therefore the schedule does not include these highway improvements.</i></p>
<p>Junction of A171 and B1416: A permanent 'ghost island right turn lane' on the A171;</p>	<p><i>Included on Highway Schedule as Highway Improvement 3.</i></p>
<p>Haxby Plantation - The welfare access: A permanent 'ghost island right turn lane' on the B1416 and the crossing of the highway verge constructed in accordance with details based upon NYCC Standard Detail E3 including all temporary and permanent traffic signing to the site;</p>	<p><i>Included on Highway Schedule as Highway Improvement 2.</i></p>
<p>Ugglebarnby Moor - Shafts entrance: A temporary 'ghost island right turn lane' on the B1416 to be in place until the date of production unless agreed otherwise by the MPA in consultation with the appropriate Highway Authority;</p>	<p><i>Included on Highway Schedule as Highway Improvement 1.</i></p>

<p>A171 Whitby south of New Bridge: Provision of dropped kerbs and tactile paving at side roads along A171 to ensure mobility scooters and push chairs etc. can cross side roads at the desire line without being tempted to travel along the carriageway of A171;</p>	<p><i>Included on Highway Schedule as Highway Improvement 10.</i></p>
<p>A171 Whitby south of New Bridge: Provision of parking laybys on Helredale Road, north east side only, between Abbott's Road and St Peters Road to remove potential disruption to the free flow of traffic when additional HGVs pass vehicles currently parked half on half off verges;</p>	<p><i>Included on Highway Schedule as Highway Improvement 12.</i></p>
<p>A171 Whitby south of New Bridge: Provision of a crossing point on the A171 for pedestrians on the bend on Helredale Road outside Helredale Stores;</p>	<p><i>Included on Highway Schedule as Highway Improvement 11.</i></p>

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1. Basis of Programme

1.1 Overview

The following highway improvement schemes are being delivered as part of the York Potash Scheme:

- Highway Improvement 1: Doves Nest Farm Shaft Access B1416.
- Highway Improvement 2: Doves Nest Farm Welfare Access B1416.
- Highway Improvement 3: A171/B1416 Junction Improvements, A171.
- Highway Improvement 10: Provision of dropped kerbs on side roads along A171, Whitby.
- Highway Improvement 11: Upgrade of existing crossing near Helredale Road, Whitby.
- Highway Improvement 12: Provision of lay-bys on A171.
- Highway Improvement 14: Mayfield Junction Improvement, Whitby.
- Highway Improvement 15: Normanby Bends Improvements.

The highway improvement schemes have being designed by Arup and approved by the NYCC Highways Team.

1.2 Level of Construction Employee Traffic

There will be no construction employee traffic accessing the Doves Nest Farm site until the highway improvement schemes (except Highway Improvement 2: Doves Nest Farm Welfare Access) have been completed. A full breakdown of the level of construction employee traffic accessing the Doves Nest Farm site will be included in the Construction Traffic Management Plan (CTMP). The CTMP will be issued prior to commencement of development at Dove Nest Farm, to discharge Condition 34.

The construction employees required to construct the highway improvement schemes will be transferred to the site by bus from a park and ride facility in Whitby.

1.3 HGV Deliveries

There will be no HGV movements accessing the Doves Nest Farm site except for those in relation to the highway improvement schemes.

The bulk import of aggregate and other materials by HGV based on a maximum number of 127 daily two way HGV movements, as agreed through the planning permission, will not commence until all Highway Improvements are complete except for Highway Improvement 2: Doves Nest Farm Welfare Access.

1.4 Base Flow Traffic Movements

The base flow of traffic movements is unaffected by the highway works. There will be no construction employee traffic accessing the Doves Nest Farm site.

A full breakdown of base flow and proposed traffic movements accessing the Doves Nest Farm site will be included in the Construction Traffic Management Plan (CTMP). The CTMP will be issued prior to commencement of development at Dove Nest Farm, to discharge Condition 34.

1.5 Submissions of Detailed Designs

Condition 39 requires a programme to be provided for the submission of the detailed design proposals and all construction documentation for the highway improvement schemes. The highways programme includes the dates for the final detailed design drawings to be submitted to the NYCC Highways Team and the required timescale for NYCC to approve the submissions for each highway improvement scheme.

1.6 Independent Road Safety Audits

Condition 39 requires that the necessary Independent Road Safety Audits for each highway improvement scheme are carried out in accordance with HD19/03 - Road Safety Audit and any superseding regulations.

The programme provides the dates that the NYCC Highways team received the Stage 2 Road Safety Audits and Designer Responses and the timescales for agreement and approval of the submission by NYCC. The Safety Audit Team and method for completing the Stage 2 Road Safety Audits has been previously agreed with NYCC. Therefore this detail has not been included in the programme.

1.7 Formal Written Approval

Condition 39 requires a programme to be submitted for each highway improvement scheme detailing the timescales for the formal written approval and timing of all necessary consents to allow the highway improvement schemes to commence. The submitted programme includes this information.

It has been assumed that the S278 Agreements for each highway improvement scheme will be based on a single agreed template, which will be altered to include the scheme costs and description. The programme therefore shows that NYCC Legal Services provide comments on a single agreed template and these comments are then captured across all the S278 Agreements.

1.8 The timing of construction of the approved works

1.8.1 Overview

The programme provides the construction periods for all highway improvement schemes detailed in Condition 39, except for the A171 at Lady Cross: A permanent 'ghost island right turn lane' on the A171 and the junction of the C82 to Egton. This is because the Ladycross site is not being progressed at this time.

The information provided in this submission assumes that funding will be available for the project to meet its current programme.

1.8.2 Project Constraints

The highway programme assumes that:

- The contract to carry out the highway works detailed in section 1.1 is awarded on the 01 November 2016.
- All orders for utility diversions will be placed after the 01 November 2016.
- Highway Improvement 1: Doves Nest Farm Shaft Access requires reptile fencing and trapping to be undertaken prior to the start of the construction works. Reptile trapping cannot commence before April 2017 dependent on the temperatures at the Doves Nest Farm site. The peak trapping period is from April to May 2017 and therefore Highway Improvement 1: Doves Nest Farm Shaft Access is shown commencing during June 2017.

1.8.3 Embargo Periods

The programme reflects all embargo periods set by NYCC. These restrictions are shown in Tables 1.1 and 1.2.

Highway Improvement 15: Normanby Bends will be constructed in a series of sections with the overall duration of the works spanning over a number of embargo periods. Each individual section will however be completed outside of the embargo periods, with no section of works being partially complete during an embargo period. It is currently not proposed to carry out any works at night. The programme is based on Monday to Friday working unless otherwise agreed with NYCC.

Table 1.1: Highway Embargo Periods

Restriction	Restrictions on Highway Works during school holiday period	Period
October half term	The highway works may potentially be unfinished. There will be no traffic management on the road and the road will be made suitable for vehicles.	21 th October until 28 th October 2016
Christmas	Highway works should be completed before or after the extended Christmas holiday period – the highway works are not permitted to be partially complete over this period.	1 st December 2016 until 3 January 2017
February half term	No restrictions	17 th February until 24 February 2017
Easter	The highway works may potentially be unfinished. There will be no traffic management on the road and the road will be made suitable for vehicles.	7 th April until 24 April 2017
Spring half term	The highway works may potentially be unfinished. There will be no traffic management on the road and the road will be made suitable for vehicles.	26 th May until 2nd June 2017
Summer Holidays	Highway works should be completed before or after the Summer holiday	26 th July until 1 st September 2017



	period – the highway works are not permitted to be partially complete over this period.	
All Bank Holiday	No Traffic Management in place.	

Table 1.2: Restrictions per Highway Improvement Scheme

Highway Improvement scheme	Restrictions in Table 1.1 apply	Night time workings considered acceptable
1: Doves Nest Farm Shaft Entrance, B1416	No	Yes ¹
2: Doves Nest Farm Welfare Entrance, B1416	No	Yes ¹
3: A171 / B1416 Junction Improvements	Yes	Yes ¹
10: Provision of dropped kerbs on side roads along A171, Whitby.	Yes	No
11: Upgrade of existing crossing near Helredale Road, Whitby	Yes	No
12: Provision of laybys on A171 from Abbots Road to St Peters Road, Whitby	Yes	No
14: Mayfield Junction Improvement, Whitby	Yes	No
15: Normanby Bends Improvements	Yes	Yes ²

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¹: Night time working is acceptable to the highway authority at these locations, however the Contractor will be required to comply with any environmental restrictions and in particular night time noise limits at nearby residential receptors

²: Highway works are permitted at night at Normanby Bend during the restricted periods, however all traffic management must be removed by 7am each day to permit unrestricted two way traffic flow.

1.8.4 2km Constraint

The programme recognises the NYCC 2km traffic management constraint. This means that there must be a minimum distance of 2km between all traffic management on the highway network in North Yorkshire.

This has been adhered to on all highway improvement schemes. The only exception is Highway Improvement 15: Normanby Bends, where the works will be delivered in a number of sections, with two non-adjacent sections being delivered concurrently along the extent of the works. This approach has been applied to reduce the construction duration for this highway improvement scheme. This approach has been implemented at the request of NYCC, following concerns about the duration of the highway improvement scheme. This approach means that two sections of traffic management for the same highway improvement scheme will be within 2km of each other.

A single programme of traffic management will be implemented for Highway Improvement 11 and 12, therefore complying with the 2km rule.

1.9 Temporary Traffic Movement

The traffic management duration for each highway improvement scheme have been shown in the programme.

