

Kirklees Local Plan Examination

Stage 2 - Matter 11 – ME1965a: Impact of minerals extraction on Yorkshire Water infrastructure

1 Introduction

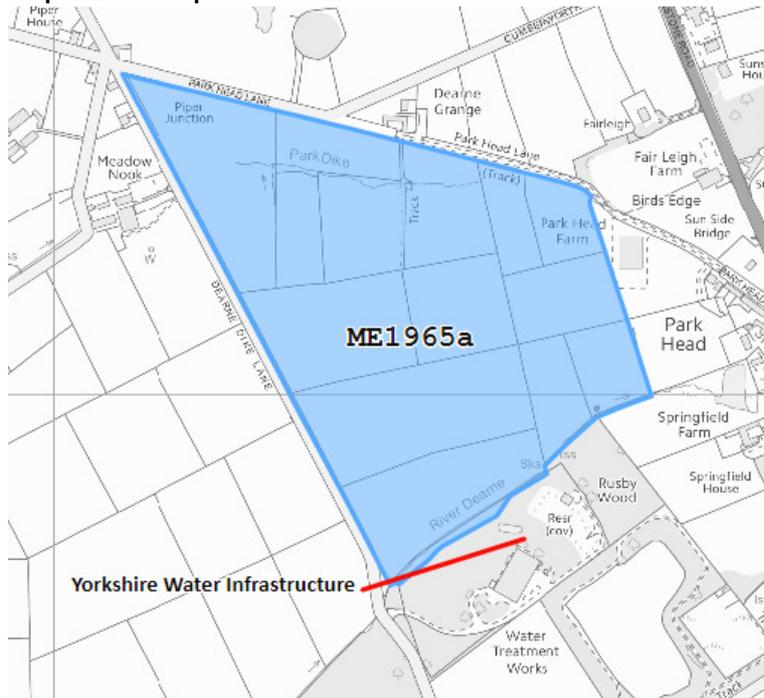
Purpose of the note

- 1.1 During the Stage 2 Matter 11 (minerals allocations) examination hearing the Inspector requested the Council supply a note confirming Yorkshire Waters position in relation to the potential impact of mineral extraction at site ME1965a on the neighbouring water treatment works and reservoir and any other associated infrastructure that may cross the site.
- 1.2 This note has been produced in response to this request and provides the Inspector with confirmation from Yorkshire Water regarding their position of potential impacts from mineral extraction at site ME1965a.

2 The site and location of neighbouring Yorkshire Water infrastructure

- 2.1 Site ME1965a is located at Dearne Grange near the village of Birds Edge and is bounded by Park Head Lane along its northern edge, Park Head Farm to the east, Yorkshire Water infrastructure at Rusby Wood to the south and Dearne Dike Lane to the west. Map 1 below show the location and boundaries of site ME1965a and indicates the neighbouring Yorkshire Water infrastructure in question.

Map 1: Location plan of Yorkshire Water infrastructure in relation to site ME1965a



3 Yorkshire Water response to site ME1965a

- 3.1 During the preparation of the Local Plan the Council has consulted a number of external consultees in relation to the suitability or not of proposed site options put to the Council by site promoters. Document BP23: Local Plan Methodology Statement Part2 sets out the full methodology with regards to site appraisals and consultee responses at paragraphs 4.15 – 4.63, pages 9 - 21. Yorkshire Water are one the identified statutory consultee (BP23, paragraph 4.31, page 12) and were originally consulted on site option ME1965a.
- 3.2 Yorkshire Water raised no objections in relation this site option at the time of the original consultation. However, following discussion during the Stage 2 hearings under Matter 11 the Council were asked to re-consult with Yorkshire Water on this site option and particularly in relation to the potential impact that mineral extraction for block stone on site ME1965a would have on the neighbouring water treatment infrastructure at Rusby Wood. The Council were also requested to confirm with Yorkshire Water if there is any infrastructure crossing site ME1965a and if there are any significant constraints likely to emerge as a result of the existence of identified infrastructure.
- 3.3 Following the conclusion of this process the Council has received the following responses from Yorkshire Water in relation to the above issues.

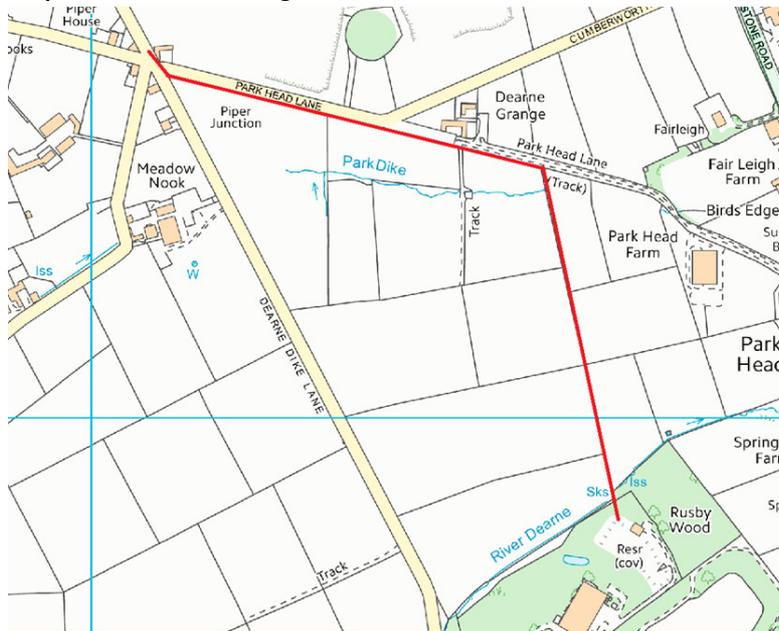
4 Potential impact on neighbouring water treatment infrastructure at Rusby Wood

- 4.1 Yorkshire Water has confirmed that the Rusby Wood water treatment works has been mothballed and likely to be decommissioned, however a treated water storage tank remains operational at the site. Given the nature of the quarry i.e. the mineral will not be extracted using explosive techniques, damage to the storage tank is unlikely but Yorkshire Water would expect this to be investigated as part of any future planning application process.
- 4.2 Yorkshire Water also confirmed that due to the operational treated water storage tank sludge and water from Ingbirchworth and Langsett water treatment works is drained from the Rusby Wood site. The waste water treatment works closest to these plants are too small to take the loading from the sludge, hence it is exported to Rusby Wood where it is transferred via the pipe to the public sewers, ultimately draining to their Calder Valley waste water treatment works in Huddersfield.

5 Potential impact as a result of infrastructure crossing site ME1965a

- 5.1 Due to the operational nature of the water storage tank there is a rising main crossing site ME1965a (see map 2). Yorkshire Water has indicated that a minimum stand-off-distance of 6 metres either side of the pipe will be required i.e. a total protected strip width of 12 metres. It may be possible to divert it which would require investigation work by the developer. Aside from the rising main, there is also a live raw water main located to the east of the rising main. This will also require a minimum stand-off-distance of 6 metres either side of the pipe if it is to be retained in situ.
- 5.2 If the site is allocated, appropriate protection of the infrastructure must be included within any associated policy.

Map 2: route of the rising main



6 Conclusion

- 6.1 Following further discussions with Yorkshire Water it has been clarified that the neighbouring water treatment infrastructure at Rusby Wood has now been mothballed and is likely to be decommissioned but a water storage tank does remain operational. Due to the nature of the proposed extraction of block stone at ME1965a, i.e. there will be no blasting, then Yorkshire Water raise no objections to the site option in relation to the potential impacts on the neighbouring Rusby Wood site.
- 6.2 It has also been established that there is a rising main and a live raw water main crossing site ME1965a. Yorkshire Water has identified no absolute constraints in relation to these pipes but has requested that a minimum stand-off-distance of 6 metres either side of the rising main and live raw

water main is secured and therefore protection of this infrastructure is included within any associated policy.

- 6.3 However, in view of the above the Council propose to make a modification to document SD2: Allocations and Designations, Site ME1965a, pages 233 – 234 to include recognition of the minor constraints in association with the identified infrastructure crossing the site and also include reference for the need to ensure adequate protection measures are considered at application stage.
- 6.4 The proposed modifications relating to site ME1965a are set at Appendix A.

Appendix A: proposed modification to site allocation ME1965a

Site No	ME1965a
Site address	Appleton Quarry <u>Land at Dearne Grange</u> , Park Head Lane, Huddingley, Shepley
Ownership	Private
Gross site area (Ha)	24.43
Net site area (Ha)	24.43
Existing use	Green Belt
Constraints	<ul style="list-style-type: none"> • Improvements to local highway network may be required • Air quality issues • Potential for noise impact • Potentially contaminated land • Site is close to archaeological site • Power lines crossing the site may require diversion • <u>Yorkshire Water infrastructure crossing site</u>
Proposed allocation	Minerals extraction site
Indicative capacity	N/A
Reports required	<ul style="list-style-type: none"> • Air Quality Impact Assessment • Noise assessment • Contamination report (Phase1 and 2) • Low emission travel plan • Predetermination archaeological assessment • Transport Assessment • A full Environmental Impact Assessment may be required
Other site specific considerations	<ul style="list-style-type: none"> • Appropriate restoration and aftercare will be required as part of any planning permission. • <u>Secure adequate measures to protect Yorkshire Water infrastructure</u>