

18. TV Radio and Mobile Phone Reception

18.1 Introduction

- 18.1.1 This Chapter, which has been prepared by Waterman, provides a statement of conformity with regard to the potential TV, Radio and Mobile Phone Reception impacts arising from the Scheme with Phase 1B (North) in place (the Scheme with the detailed design for Phases 1A (North) and 1B (North) are hereafter referred to as the 'Development'). This statement of conformity is provided pursuant to the EIA Documentation (as defined in **Chapter 4: Approach to the ES Further Information Report**, and which includes the s73 ES and the Phase 1A (North) FIR), to confirm that the overall findings of the s73 ES and other EIA Documentation, with respect to TV, Radio and Mobile Phone Reception remain valid.
- 18.1.2 A review has been undertaken of the detailed design of the Phase 1B (North) RMA, as defined in **Chapter 2: Description of Phase 1B (North) RMA**, to identify elements of the detailed design of relevance to the TV, Radio and Mobile Phone Reception assessment presented in the s73 ES and other EIA Documentation, and a summary of this is provided.
- 18.1.3 A review of the baseline information presented in the s73 ES has been undertaken. Any new or different potential significant TV Radio and Mobile Phone Reception impacts arising from the Development from those identified in the s73 ES and other EIA Documentation are described. Likewise, any new or different mitigation measures from those identified in the s73 ES and other EIA Documentation are presented where considered necessary, and residual impacts following the application of mitigation are described.

18.2 Policy, Legislation and Guidance

- 18.2.1 There have been no significant changes to policy, legislation or guidance of relevance to TV, Radio and Mobile Reception since the s73 ES and other EIA Documentation was prepared which have a material effect on the approach to or findings of the assessment previously presented.

18.3 Relevant Phase 1B (North) RMA Details

- 18.3.1 Key Phase 1B (North) elements of relevance to the assessment of TV, Radio and Mobile Phone Reception comprise the following: Development Plots belonging to Brent Cross East with associated threshold spaces, public realm, open space and car parking, together with the residential development to be located on plot 113 and the transport interchange, i.e. the replacement bus station.
- 18.3.2 These buildings range between approximately 57.9m and 81.36m in height and as such fall within the parameters of the Scheme assessed in the s73 ES and other EIA Documentation, save for a number of instances of deviations in height for a small number of buildings, as outlined in **Chapter 4: Approach to the ES Further Information Report**, and detailed in **Table 4.3** of this Phase 1B (North) FIR.
- 18.3.3 These elements along with the surrounding Development Zones were assessed as part of the assessment of the Scheme in outline in the s73 ES, however further consideration is given to the detailed design brought forward via the Phase 1B (North) RMA to determine whether this has an effect upon the conclusions of the s73 ES and other EIA Documentation.

18.4 Assessment Methodology

18.4.1 The assessment methodology presented in the s73 ES and the other EIA Documentation has been reviewed and remains valid.

Limitations

18.4.2 No limitations or constraints were identified within the assessment.

18.5 Consultation

18.5.1 The approach to the TV, Radio and Mobile Phone Reception Statement of Conformity was set out in the EIA Scoping Report (**Appendix 4.1**).

18.5.2 The EIA Scoping Opinion is presented in **Appendix 4.2**. The approach to the assessment was considered acceptable by LBB.

18.6 Baseline Conditions

18.6.1 The baseline information presented in the s73 ES has been reviewed and it is deemed to remain valid for assessment purposes. As such, no further baseline study has been undertaken. As reported in the Phase 1A (North) FIR, digital switchover occurred in 2012, therefore potential effects upon analogue TV reception are no longer of relevance to the assessment.

18.7 Assessment and Mitigation

Construction

Potential Impacts

18.7.1 While there have been some changes to the construction programme, including a revised start date for the commencement of works and some changes to the sequencing of construction activities (**Appendix 2.1**), these are not considered significant enough to alter the findings of the s73 assessment and other EIA Documentation. This assessment focused upon the presence of cranes or other tall equipment during the construction period together with the presence of partially completed buildings, all of which are still likely to occur at various stages within the construction programme. There is no change to the proposed end date of construction, therefore the overall duration within which such impacts could occur would remain as previously reported, or decrease marginally.

18.7.2 It is therefore confirmed that the assessment of construction-related TV, Radio and Mobile Phone Reception impacts, as presented in the s73 ES and other EIA Documentation, remains valid.

Mitigation

18.7.3 No new or different mitigation has been identified as being required to that reported in the s73 ES and other EIA Documentation.

Residual Impacts

18.7.4 No new or different residual construction impacts have been identified to those reported in the s73 ES and other EIA Documentation.

Operation

Potential Impacts

- 18.7.5 The s73 ES and other EIA Documentation concluded that there were likely effects on the quality of TV reception from the Crystal Palace transmitter in the shadow zone created by the Scheme, and in certain areas there is also some probability of reflection effects impacting on the perceptible quality of TV reception. As noted in paragraph 18.3.6 of the s73 ES, part of the switchover from analogue to digital transmitters involved increasing the output power of digital TV transmitters, predicted to result in higher digital TV field strengths. The s73 ES and other EIA Documentation also considered effects on other forms of communication including radio stations and mobile phone reception, with some potential effects to existing coverage also predicted following completion of the Development.
- 18.7.6 In consideration of the findings reported in the s73 ES and other EIA Documentation, and having regard to the detailed design for Phase 1B (North) which is brought forward in broad accordance with the maximum parameters established within the 2014 Permission (save for the minor exceedances in building heights previously reported), it is not considered that any new or different potential significant environmental effects will arise from those presented in the s73 ES and other EIA Documentation. The minor variations are not considered significant enough to materially affect the conclusions of the previous assessment. No effects would occur since the completion of switchover from analogue television to digital.

Mitigation

- 18.7.7 No new or different mitigation measures beyond those identified in the s73 ES have been identified as being necessary as a result of the detailed design development for Phase 1B (North).

Residual Impacts

- 18.7.8 Subject to the implementation of any mitigation measures (as described in the s73 ES) if deemed necessary following the completion of the Development, no new or different residual operational impacts have been identified. The conclusion that the Scheme will have no significant residual impacts on TV, radio or mobile phone reception therefore remains valid with the Phase 1B (North) RMA in place.
- 18.7.9 A summary of the residual impacts associated with TV, radio and mobile phone reception is included within **Chapter 22: Summary of Residuals Impacts and Mitigation**.

References

There are no references for this Chapter.