

**The Network Rail (Stalybridge to Diggle (Saddleworth) Enhancements)
Order NR/PoE/JP/4.3**



**TRANSPORT AND WORKS ACT 1992
TRANSPORT AND WORKS (INQUIRIES PROCEDURES)
RULES 2004**

**NETWORK RAIL (STALYBRIDGE TO DIGGLE
(SADDLEWORTH) ENHANCEMENTS) ORDER**

**ENVIRONMENTAL MANAGEMENT
PROOF OF EVIDENCE**

Of

Jim Pearson

APPENDIX 1 – Draft Environmental Commitments Register

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Stalybridge to Diggle (Saddleworth) Environmental Commitments Register

No.	Commitment title	Source	Mitigation Summary	Secured via	Delivery mechanism
01	Recording significance of the historic environment	Environmental Report (ER) Volume 1: Chapter 5, Table 5-4 Volume 3: Appendix 5A	Historic Building recording to levels 1, 2 and 3 as appropriate (ER Vol1: Table 5-4) for 11 designated heritage assets. Written Scheme of Investigation for areas identified within ER Vol 1: Table 5-5 (with defined mitigation)	Listed Building Consent	Environment and Social Management Plan (ESMP)
02	Minimising the impact of the scheme on the historic environment	ER Vol 1: Chapter 5 (mitigation section 5.10.2) ER Vol 3: Appendix 5A and 5B	Key embedded mitigation items listed in ER Vol 1: section 5.10.2. Main points: • Use of natural stone cladding MVL3/7, MVL3/20, MVL3/25, MVL3/28; • Retention and re-use of stone for parapet interiors MVL3/7 and MVL3/20; • Gothic arcading , reinstatement of semi-octagonal piers and use of stone cladding on Royal George Underbridge (MVL3/25); • Use of natural stone copers where possible for reconstructed structures MVL3, MVL3/8, MVL3/20, MVL3/25 and MVL3/28	Listed Building Consent ER Vol1: Chapter 5 Historic Environment: Embedded Mitigation section 5.10.2 Code of Construction Practice Part A (NR17) Section 5: Historic Environment	ESMP (design)
03	Construction methodology for areas of	ER Vol 1: Chapter 5 (mitigation section 5.10)	Construction methodology submitted to local authority for areas of interest.	Deemed Planning (NR11)	ESMP

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No.	Commitment title	Source	Mitigation Summary	Secured via	Delivery mechanism
	archaeological interest	ER Vol 3: Appendix 5A and 5B	Agreement between NR, local authority and Greater Manchester Archaeological Advisory Service (GMAAS) whether Written Scheme of Investigation (WSI) required. WSI includes defined requirements as per Deemed Planning (NR11) Condition 10 Archaeology.	Condition 10 Archaeology Code of Construction Practice Part A (NR17) Section 5: Historic Environment	
04	Minimising devegetation and protecting trees during Preliminary Works	Deemed Planning (NR11) Condition 4 Preliminary Works	As defined in condition 4 to minimise de-vegetation, protect retained vegetation and protect ecological assets. Requires a plan identifying intended access to site prior to works commencing. Requires 7 days-notice of intention to work once the condition has been approved.	Compliance with condition 4 and the requirement to seek local authority approval.	ESMP
05	The application of standard ecological controls construction	ER Vol 1: Chapter 6 (mitigation section 6.3) ER Vol 3 : Appendix 6A	Compliance with Embedded Mitigation measures to avoid adverse effects (EM): • EM1 Layout design • EM2 Lighting measures • EM3 Noise reduction • EM4 Surface water drainage and pollution prevention • EM5 Biosecurity measures (Invasive Non-Native Plant Species (INNPS) Management Plan	Deemed Planning (NR11) Condition 5(b) Landscaping and Ecology Network Rail's Environment and Social Minimum Requirements for Projects – Design and	ESMP

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No.	Commitment title	Source	Mitigation Summary	Secured via	Delivery mechanism
			Compliance with additional mitigation (AM): - AM1 apply mitigation hierarchy in connection to effects on sites of biological interest (agreed with Greater Manchester Ecological Unit (GMEU). - AM2 Mitigation hierarchy to avoid impacts on priority habitat - AM3 Mitigation strategy to avoid impacts on bats - AM4 Demarcation for trees and hedgerows - AM5 Pre-construction ecological surveys - AM6 Breeding Bird avoidance strategy - AM7 Ecological toolbox talks	Construction (NR/L2/ENV/015) Code of Construction Practice Part A (NR17) Section 4: Ecology and Conservation	
06	Habitat enhancement via the Ecological Management Plan	ER Vol 1: Chapter 6 (mitigation section 6.3) ER Vol 3 : Appendix 6A	Ecological Management Plan to be submitted to the relevant local authority as part of the Landscape (LEMP) and Ecological Management Plan. This plan will detail ecological and habitat enhancements in specific areas covered by the LEMP (reference to outline landscape plans ER Vol 2: Figures 7.3.1 to 7.3.20).	Deemed Planning (NR11) Condition 5(b)(iii) Landscaping and Ecology	ESMP

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07	Implementing Biodiversity Net Gain	ER Vol 1: Chapter 6 (mitigation section 6.3.5) ER Vol 3 : Appendix 6A	Requirement to comply with Biodiversity Net Gain (BNG) deliverable for the Scheme (habitat replacement plus adding 10% habitat value to the replaced loss). Condition 9a – provide a BNG strategy to achieve requisite BNG offset plus 10% gain in habitat value per the TRU target. Condition 9b – Provide evidence of BNG target achievement post completion of Order works. Using Defra metric 3.0 to measure and report BNG progress.	Deemed Planning (NR11) Condition 9: Biodiversity Net Gain	ESMP
08	The application of general landscape controls during construction	ER Vol 1 : Chapter 7 (mitigation section 7.3) ER Vol 3 : Appendix 7A	Construction programme duration defined in advance. Construction working areas cleared as close as possible to construction start. Plant and material sensitively sited, sites kept tidy. Minimise light glare from construction lighting wherever possible . Minimise tree removal, protect retained trees where required.	Deemed Planning (NR11) Refer Condition 3(a) Stages of development Refer Condition 6(c)(ii) Pollution Prevention and Incident Control Plan, 6(c)(iii) waste management and material plan, 6(c)(iv) nuisance Management Plan	ESMP

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No.	Commitment title	Source	Mitigation Summary	Secured via	Delivery mechanism
				Refer Condition 6(c)(iv) Nuisance Management Plan Refer Condition 4 Preliminary Works. Code of Construction Practice Part A (NR17) Section 3.3 Site Layout, section 3.5 Site Lighting and Signage	
09	Protecting the natural environment via the Landscape and Ecological Management Plan	ER Vol 1 : Chapter 7 (mitigation section 7.3) ER Vol 3 : Appendix 7A	Landscape and Ecological Management Plan (LEMP) to be submitted to the relevant local authority that must include: • General tree and vegetation management as defined in Condition 5(b); • Ecological requirements as required by Condition 5(c) (and refer to commitments 05 and 06) • Details of soft and hard landscaping as defined in Condition 5(d); and, • 7 days' notice that tree and ecological protection is in place as per condition 5(b)(i) and 5b(ii).	Deemed Planning (NR11) Condition 5 Landscaping and Ecology	ESMP
10	The selection of appropriate materials and	Deemed Planning (NR11)	Samples and specifications for all external elevations at the new Mossley Station to be	Compliance with condition 8 and the	ESMP (design)

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No.	Commitment title	Source	Mitigation Summary	Secured via	Delivery mechanism
	finishings for the New Mossley Station	Condition 8 Materials ER Vol 1: Chapter 7, section 7.3.4	submitted to and approved by the relevant planning authority. The building and lighting design of the relocated Mossley Station will be considerate of the surrounding area in accordance with the measures outlined in NR/L2/ENV/015.	requirement to seek local authority approval.	
11	The enhanced protection of trees (Arboriculture) during construction	ER Vol 1 : Chapter 8 (mitigation section 8.3) ER Vol 3 : Appendix 8A	For avoidance and minimisation of tree loss refer to commitments 04 and 08. In general protection of retained tree must be in accordance with BS5837. Where tree works are required to trees to be retained this will be in accordance with BS3998:2010 Tree Works. Site-specific tree work to be included in the relevant Work Package Plans (WPPs) and Task Briefing Sheets (TBSs), and signed off by the relevant ecological representative.	Mitigation defined in the ER Volume 1 : Chapter 8, section 8.3.	ESMP
12	Noise and Vibration controls during construction	ER Vol 1 : Chapter 9 (mitigation section 9.3) ER Vol 3 : Appendix 9A	Noise and Vibration Management Plan to be submitted to the relevant local authority to include mitigation as identified in sections 9.3.4 to 9.3.11 of ER Vol 1. Key points:	Deemed Planning (NR11) Condition 6(c)(v) Noise and Vibration Management Plan	ESMP

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No.	Commitment title	Source	Mitigation Summary	Secured via	Delivery mechanism
			- Compliance with BS5228-1 (Noise) and BS5228-2 (Vibration) management under Best Practicable Means (BPM) - Inform local residents about duration and timings of works via letter drop - Continuous vibration monitoring at sensitive locations above Stalybridge Tunnel and Scout Tunnel - Noise monitoring based on sensitive work locations - Dilapidation surveys at any building before and after works should vibration levels be predicted to exceed 12.5 mm/s Peak Particle Velocity (PPV). N.B. Compliance with BS5228-1 includes confirmation NR will adopt the guidance on noise insulation and / or rehousing criteria as per Table E-2 in BS5228-1.	Refer to Condition 6(c)(i) External Communications Programme Code of Construction Practice Part A (NR17) Section 8: Noise and Vibration	
13	Commitment to liaise and inform 3 rd party stakeholders during construction	Code of Construction Practice Part A (NR17) Community Consultation and Engagement Sections 2.4.10 to 2.4.17	The external communications programme to be submitted to and approved by the relevant local authority will include at minimum as defined in the CoCP Part A (NR17): Principal contractor will implement external communications during works;	Deemed Planning (NR11) Condition 6(c)(i) External Communications Programme	ESMP

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No.	Commitment title	Source	Mitigation Summary	Secured via	Delivery mechanism
			- Outline NR Communications team requirements for information events, other regular consultation with residents and other stakeholders; - Up to date information supplied to the NR website; - Advance notice of works a minimum of 14 days in advance of works; - Letters and other forms of communication include NR 24-hours per day helpline number; - Details how enquiries and complaints will be logged at project level and dealt with.		
14	The control of site working hours	Code of Construction Practice Part A (NR17) Working Hours Sections 3.1.1 to 3.1.6	Standard working hours for civil works that do not require a possession of the railway: 08:00 to 18:00 Monday to Saturday with 30 minutes either side to set up and close site. Standard Varied working hours are any extension to Standard working hours required to ensure civil works meet possession of the railway work requirements or Network Rail's "Entry into Service" requirements. NR required to inform the local authority and residents of the intention to extend Standard working hours a minimum of 14 days in advance.	Deemed Planning (NR11) Condition 6(c)(i) External Communications Programme Condition 6(c)(v) Noise and Vibration Management Plan	ESMP

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No.	Commitment title	Source	Mitigation Summary	Secured via	Delivery mechanism
			Non-Standard working hours relate to civil or rail works that require a possession of the railway to complete. These works are generally possessions during short night shifts, or extended possessions over weekends or longer line possessions with works conducted during the day and night.		
15	Minimising operational noise from the new Mossley Station	ER Vol 1: Chapter 9: Section 9.3.12 ER Vol 3: Appendix 9A	Compliance with BS4142: Methods for rating and assessing industrial and commercial sound in considering: • Operation station plant • Public Address system	ER Volume 1: Chapter 9: section 9.3.12	ESMP (design)
16	For controlling traffic management during construction	ER Vol 1: Chapter 10: section 10.5 ER Vol 3: Appendix	Construction Traffic Management Plan to be submitted to the relevant local authority to include mitigation as identified in section 10.5.1 of ER Vol 1. Key points: • Required temporary and permanent road closures in reference to Order powers; • Construction traffic routes from main trunk roads to compounds; • Imposed time restrictions; • Controls to minimise mud and rubble escape; • Temporary traffic control measures in reference to Order powers;	Deemed Planning (NR11) Condition 7 Construction Traffic Management and Travel Plan Draft Order: Article 12 Stopping up streets Condition 7(b)(i) and (ii) Condition 7(b)(vi) Condition 7(b)(viii)	ESMP

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No.	Commitment title	Source	Mitigation Summary	Secured via	Delivery mechanism
			- Prohibition of construction vehicles parking on public roads. - Means of monitoring construction HGV compliance with agreed routes - Diversions of Public Rights of Way (PRoW) will be detailed.	Draft Order : Article 14 Temporary stopping up of streets Condition 7(b)(v) Condition 7(b)(vii) Code of Construction Practice Part A (NR17) Section 11: Public Access and Highway	
17	Forming a Highways Management Group (Oldham)	Statement of Common Ground / Highways Management Agreement	A Highways Management Group is a forum including the Highways Authority and Network Rail to track the implementation of the Traffic Order powers and also a consented Construction Traffic Management Plan.	Draft Order: Article 10 Power to execute street works Article 11: Power to keep apparatus in streets Article 12: Power to stop up streets Article 13: Power to alter layout etc. of streets Article 14: Powers to temporarily stop up of streets	Highways Management Group

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No.	Commitment title	Source	Mitigation Summary	Secured via	Delivery mechanism
				Article 15: Access to works Article 19: Replacement and closure of footpath level crossings Article 43: Traffic regulation	
18	Forming a Highways Management Group (Tameside)	Statement of Common Ground / Highways Management Agreement	A Highways Management Group is a forum including the Highways Authority and Network Rail to track the implementation of the Traffic Order powers and also a consented Construction Traffic Management Plan.	Draft Order: Article 10 Power to execute street works Article 11: Power to keep apparatus in streets Article 12: Power to stop up streets Article 13: Power to alter layout etc. of streets Article 14: Powers to temporarily stop up of streets Article 15: Access to works	Highways Management Group

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No.	Commitment title	Source	Mitigation Summary	Secured via	Delivery mechanism
				Article 19: Replacement and closure of footpath level crossings Article 43: Traffic regulation	
19	Developing a Construction worker travel plan	ER Vol 1: Chapter 10: section 10.5.1 ER Vol 3: Appendix	Construction Worker Travel Plan to be submitted to the relevant local authority to include mitigation as identified in section 10.5.1 of ER Vol 1. Key points: • Reduce the level of and solo occupancy car travel to work; • Travel arrangements to hub parking areas and then to remote worksite;	Deemed Planning (NR11) Condition 7 Construction Traffic Management and Travel Plan Code of Construction Practice Part A (NR17) Section 10: Travel Plan	ESMP
20	To conduct Contaminated Land supplementary ground investigations	ER Vol 1: Chapter 11: Section 11.3 (Table 11-1) ER Vol 3: Appendix 11A	Additional ground investigation for assessment of asbestos in made ground at various sites and incorporate into construction work as may be appropriate. Additional ground investigations to substantiate or discount ground gas potential accumulation in new Mossley station lift shafts and incorporate into detailed design as may be appropriate.	Mitigation defined in the ER Volume 1 : Chapter 11, Table 11-1 Network Rail 's Environment and Social Minimum Requirements for Projects – Design and Construction (NR/L2/ENV/015) (NR14)	ESMP (design)

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No.	Commitment title	Source	Mitigation Summary	Secured via	Delivery mechanism
				Section 6.2 Contaminated Land Code of Construction Practice Part A (NR17) Section 10: Resource and Waste Management	
21	Complete sub-surface ground investigation	ER Vol 1: Chapter 11: Section 11.3.3 ER Vol 3: Appendix	Detailed design site investigation to validate sub-surface design. E.g. concrete or service pipes.	Mitigation defined in the ER Volume 1 : Chapter 11, section 11.3.3 Network Rail 's Environment and Social Minimum Requirements for Projects – Design and Construction (NR/L2/ENV/015) (NR14) Section 6.2 Contaminated Land	ESMP (design)
22	Implement CL:AIRE to self - certify material re-use	ER Vol 1: Chapter 11: Section 11.3.3 ER Vol 3: Appendix	Compliance with CL:AIRE DoWCoP for re-use of material, includes sampling and categorisation of excavated material.	Mitigation defined in the ER Volume 1 : Chapter 11, section 11.3.3 Network Rail 's Environment and Social Minimum Requirements for Projects – Design	ESMP

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No.	Commitment title	Source	Mitigation Summary	Secured via	Delivery mechanism
				and Construction (NR/L2/ENV/015) (NR14) Section 6.2 Contaminated Land	
23	Complete piling risk assessments	ER Vol 1: Chapter 11: Section 11.3.3 ER Vol 3: Appendix	Piling risk assessments in compliance with Environment Agency Guidance "Piling and Penetrative Ground Improvement Methods on Land Affected by Contamination; Guidance on Pollution Prevention"	Mitigation defined in the ER Volume 1 : Chapter 11, section 11.3.3 Network Rail 's Environment and Social Minimum Requirements for Projects – Design and Construction (NR/L2/ENV/015) (NR14) Section 6.2 Contaminated Land	ESMP
24	Minimising the potential for dust generation	ER Vol 1: Chapter 11: Section 11.3.3 ER Vol 3: Appendix 11A	Dust generation will be kept to a minimum and this will be required to be in compliance with the CoCP Part B PPICP and a Nuisance Management Plan, once produced and submitted to the relevant local authorities for their approval	Deemed Planning NR11 Condition 6(c)(iv) Nuisance Management Plan	ESMP

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25	Conduct coal mining risk assessments	ER Vol 1: Chapter 11: Section 11.3.3 ER Vol 3: Appendix 11A	A coal mining risk assessment will be undertaken to inform the detailed design of those areas of the Scheme that are located in a Development High Risk Area in order to identify the remedial measures required, which is standard practice in former coal mining areas.	Commitment to the Coal Board Authority. ER Vol 3: Appendix 11A	ESMP (design)
26	Managing unexpected contamination	ER Vol 1 : Chapter 11 : Section 11.3.4 ER Vol 3 : Appendix 11A	Significant contamination would require further ground investigation, risk and remediation to be identified. Consult with relevant local authority. Non-significant localised identification of contamination dealt with in accordance with waste legislation as defined in the Waste Management and Materials Plan.	Mitigation defined in the ER Volume 1 : Chapter 11, section 11.3.4 Deemed Planning NR11 Condition 6(c)(iii) Waste Management & Materials Plan	ESMP
27	Implementing standard Network Rail management of infrastructure contamination	ER Vol 1: Chapter 11: Section 11.3.3 ER Vol 3: Appendix 11A	Used ballast treated in accordance with NR's Used Ballast and Excavation Waste Handling Protocol (NR/L3/ENV/044). Small fraction contaminated <1% washed and recycled via Network Rail Whitmoor facility. All other rail infrastructure reused or recycled via Strategic Construction & Off-site (SCO) facilities.	ER Vol 1: Chapter 11: Section 11.3.3	ESMP

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28	Implementing flood risk controls	ER Vol 1: Chapter 12: Section 12.3.4 to 12.3.9 ER Vol 3: Appendix 11A	Flood risk in general managed through compliance with the CoCP Part A (NR17), sections related to flood risk: 7.2 Site Drainage, 7.3 Control of Pollution of Surface Water, 7.4 Storage of Polluting Materials, 7.5 Plant and Machinery Maintenance, 7.6 Protection and Vandalism, 7.7 Concrete Washout Facilities, 7.8 Emergency Response. Submission of a Pollution Prevention and Incident Control Plan (PPICP) (Condition 6(c)(ii)) will provide further site-specific controls in considering flood risk.	Code of Construction Practice Part A (NR17) Section 7 Water Resources; section 7.1.2 Deemed Planning NR11 Condition 6(c)(ii) Pollution Prevention and Incident Control Plan Code of Construction Practice Part A (NR17) Section 7: Water Resources	ESMP
29	Registering with the Environment Agency Flood Warning Register	ER Vol 1: Chapter 12: Section 12.3.8 to 12.3.9 ER Vol 3: Appendix 11A	EA flood warning service used for specific areas on the scheme within flood zones 2 and 3: - Heron Lane Road to Heron Lane Compound - Egmont St road to Plevins compound - Lee Side Road (Diggle Access and Diversion works) to Diggle Welfare, Rail hub and office compound. Detailed as required in the PPICP.	Deemed Planning NR11 Condition 6(c)(ii) Pollution Prevention and Incident Control Plan	ESMP

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30	Implementing general protection of watercourses	ER Vol 1: Chapter 12: Section 12.3.10 to 12.3.13 ER Vol 3: Appendix 11A	General protection of watercourses for works in proximity: • Safe storage of materials • Management of any identified contamination • Appropriate bunding • Hardstanding to avoid washout • Silt fencing	Deemed Planning NR11 Condition 6(c)(ii) Pollution Prevention and Incident Control Plan	ESMP
31	Committed consultation with stakeholders regarding works in watercourses	ER Vol 1: Chapter 12: Section 12.3.14 ER Vol 3: Appendix 11A	Supply information to the Environment Agency for works constituting a flood risk activity in accordance with protective provisions (see “Secured via”). Supply information to the Lead Local Flood Authority for works constituting potential interference with a watercourse (see “Secured via”). Protective provisions apply to any dewatering activity, such as from excavations as may be required, and discharge to watercourse, main river (Environment Agency), normal watercourse (Lead Local Flood Authority).	Draft Order (NR02) Schedule 17 Part 3: For the protection of the Environment Agency Information required in reference to the disapplication (Article 5) of Environment Permitting Regulations 2016 for a flood risk activity. Draft Order (NR02) Schedule 17 Part 4: For the protection of the Lead Local Flood Authority Information required in reference to the disapplication (Article 5)	ESMP

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				of the Land Drainage Act for interference with a watercourse.	
32	Avoiding AQMA during construction	ER Vol 1: Chapter 13: Section 13.3.1 ER Vol 3: Appendix 13A	Assessment of construction traffic emissions indicates that there will be negligible impact associated with the generated vehicle movements. It is recommended that the Construction Traffic Management Plan seeks to route construction traffic to avoid the Tameside AQMA.	Deemed Planning (NR11) Condition 7 Construction Traffic Management and Travel Plan	ESMP
33	Commitment to minimising air quality issues during construction	ER Vol 1: Chapter 13: Section 13.3.12 ER Vol 3: Appendix 13A	General measures to be applied across the scheme are listed in ER Vol 1: Chapter 13 section 13.3.12.	Deemed Planning (NR11) Condition 6(c)(iv) Nuisance Management Plan Code of Construction Practice Part A (NR17) Section 9: Air Quality	ESMP
34	Commitment to sustainable design at the new Mossley station	ER Vol 3: Appendices: Appendix 13A: Section 6.3.3	Operational emissions from a new Mossley Station are managed and designed in compliance with Network Rail environmental requirements (refer to "Secured via"). Main points:	Network Rail 's Environment and Social Minimum Requirements for Projects – Design	ESMP (design)

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No.	Commitment title	Source	Mitigation Summary	Secured via	Delivery mechanism
			- Emissions of particulate dust must be designed to be “As Low As Reasonably Practicable” (ALARP). - Consideration given to efficiency and carbon saving design - Benchmarking environmental performance with Building Research Establishment Environmental Assessment Method (BREEAM) commitments and compliance	and Construction (NR/L2/ENV/015) (NR14) Section 6.3 Emissions to Air Section 6.4.3 Energy and Operational Carbon 10.1 Benchmarking environmental performance	
35	Minimising the effects of lighting on residents from the new Mossley Station	ER Vol 3: Appendices: Appendix 13A: Table 6-3.	The potential for “light spill” from the new Mossley Station to cause a nuisance to residents living opposite the station on Manchester Road will be considered and mitigated as may be required during detailed design.	Network Rail’s “Lighting Design in Stations” (NR/GN/CIV/200/08), specifically section 2.11 “Managing the Effects of Obtrusive Light”.	ESMP (design)
36	Commitment to inform the Environment Agency of abstraction Over 20 cubic metres per day	Statement of Common Ground between the Environment Agency and Network Rail	Article 6 disapplies the requirement to acquire a permit under the Water Resources Act 1991 for water abstraction for construction purposes. In agreement with the EA, NR commits to informing the EA of its intention to abstract at a rate over 20 cubic metres per day with 14 days-notice and detailing any measures to protect ecology as may be applicable.	Statement of Common Ground between the Environment Agency and Network Rail	ESMP

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	(draft awaiting agreement)				