

24. Next Steps

24.1 Stage Two Consultation

24.1.1 Following the closure of the Stage Two Consultation on 30 July 2016, NuGen will analyse all the responses received on the Preliminary Environmental Information which has been provided and will use the feedback to inform the ongoing EIA work. NuGen will prepare a Consultation Report which will summarise the responses received during the Stage Two Consultation and how it has taken account of those responses. This Consultation Report will be a supporting document to the DCO Application.

24.2 Environmental Impact Assessment

24.2.1 Work on the EIA is ongoing and will continue through the Stage Two Consultation up to the compilation of the ES to support the DCO Application. As well as the assessment taking into account the consultation responses described above, the EIA work to finalise the ES will also involve the following elements.

Baseline information

24.2.2 As described within the individual topic chapters of this PEIR, work on collecting baseline data is ongoing and is planned to be finished in time to inform the completion of the EIA so that all appropriate data is used within the ES. The requirement for any further baseline information gathering will be reviewed on receipt of responses to the Stage Two Consultation, the ongoing technical work and should any changes to the Moorside Project design occur. The current planned baseline work during 2016 is detailed below:

Transport

- Complete baseline information collation across the modes, particularly rail and marine;
- Complete baseline gathering of the existing condition of the highway network;
- Complete highway junction modelling; and
- Complete baseline information collation with regards shipping movements in the vicinity of the Moorside Site and to/from the Port of Workington.

Noise and Vibration

- Moorside Site - Carry out:
 - long-term noise monitoring at a location within Lantern Moss;

- rail noise and vibration measurements associated with train movements on the Cumbrian Coast Railway Line; and
- ground-borne noise measurements associated with train movements.
- Accommodation Sites - Carry out:
 - rail noise and vibration measurements associated with train movements on the Cumbrian Coast Railway Line.
- Additional Sites - Carry out:
 - St. Bees Railway Site, long-term noise monitoring; and
 - Highway Improvements sites, short-term road traffic noise monitoring.

Air Quality

- All Sites:
 - baseline air quality monitoring will continue until September 2016.

Landscape

- Additional Sites:
 - agree Study Areas with consultees for the Additional Sites and agree Survey and Monitoring plan;
 - complete site surveys that have not yet been undertaken for the Additional Sites, (Corkickle to Mirehouse Railway Site complete);
 - agree photographic viewpoint locations with consultees for the Additional Sites once the study areas are confirmed and baseline photography to be undertaken;
- All Sites:
 - complete verified photomontages; and
 - prepare formal lighting assessments.

Visual

- Moorside Site and Study Area:
 - complete further surveys, including any outstanding onshore and offshore viewpoint photographic and verification survey work;
 - prepare formal lighting assessments;
- Accommodation Sites:
 - complete further surveys, including photographic and verification survey work;
 - if required, prepare formal lighting assessments;

- **Additional Sites:**
 - agree photographic viewpoint locations with consultees once Study Areas are confirmed; and
 - complete further surveys and verification survey work.

Countryside Access and Recreation

- **Moorside Site:**
 - complete walkover surveys of the extended Zone of Influence (Zol) during summer 2016;
 - carry out survey work over the area within which the replacement common land is proposed to be located;
 - carry out interview surveys of users of key routes within the Moorside Site.
- **Accommodation Sites:**
 - carry out interview surveys of users of key routes within the Accommodation Sites;
- **Whole Project**
 - complete baseline characterisation of the Sustrans Route 72 and future England Coast Path National Trail (continuation of automated counter data collection at the Moorside Site); and
 - carry out further consultations with special interest and local community groups.

Socio-Economics

- **Whole Project:**
 - finalise workforce and supply chain requirements of the Moorside Project Sites;
 - complete survey of visitor accommodation businesses within the Study Area;
- **Additional Sites:**
 - carry out and/or complete survey work for:
 - i. Corkickle to Mirehouse Railway Site;
 - ii. St Bees Railway Site; and
 - iii. Highway Improvements Sites.
 - Study areas for the Additional Sites are to be reviewed and amended throughout the EIA.

Soil, Geology, Agricultural Land and Land Quality

- **Moorside Site:**
 - a second phase of intrusive investigations is currently being implemented on the Moorside Site and is planned to be completed by the end of July 2016;
 - complete detailed Soil Resource Surveys and site specific agricultural land surveys;
- **Accommodation Sites:**
 - Phase 2 intrusive site investigations at the Accommodation Sites will be undertaken during 2016;
 - complete detailed Soil Resource Surveys and site specific agricultural land surveys for the Mirehouse Site and Egremont Site;
- **Additional Sites:**
 - complete detailed Soil Resource Surveys and site specific agricultural land surveys for the St. Bees Railway Site; and
 - carry out desk studies for the Additional Sites.

Historic Environment

- **Moorside Site:**
 - carry out additional site walkover, field walking and geophysical survey;
 - where required, carry out intrusive surveys, including trial trenching and test pitting.
- **Accommodation Sites:**
 - carry out additional site walkover, field walking and geophysical survey;
 - where required, carry out intrusive surveys, including trial trenching and test pitting.
- **Additional Sites:**
 - carry out and/or complete surveys for:
 - i. St Bees Railway Site;
 - ii. Corkickle to Mirehouse Railway Site;
 - iii. Highway Improvement sites.
 - Where required, carry out site walkover, field walking, geophysical surveys and intrusive surveys;
- **Offshore:**
 - carry out an assessment of geophysical survey data and analysis of borehole cores.

Freshwater environment: groundwater

- **Moorside Site:**
 - a further 74 Observation Boreholes (OBHs) are programmed to be drilled across the Moorside Site during 2016;
 - geophysical logging and hydraulic testing of the OBHs will be undertaken and pumping tests are also planned;
 - sampling of groundwater from the OBHs for laboratory analysis commenced in January 2016 and is currently planned to be undertaken on a quarterly basis throughout 2016;
 - at Low Church Moss SSSI within the Moorside Site water levels continue to be monitored monthly, together with automatic 15 minute readings of water levels on the pond, outflow ditch and in one dip well and piezometer pair. A spot flow gauging is also undertaken monthly. Further planned survey work is likely to comprise further peat surveys, topographical surveys and geophysical surveys;
- **Accommodation Sites and Additional Sites:**
 - intrusive groundwater investigations for the Accommodation Sites and Additional Sites are to be considered; and
 - the survey needs of the Accommodation Sites and Additional Sites will be addressed, planned and executed in a similar way to the Moorside Site.

Freshwater environment: surface water

- **Moorside Site:**
 - detailed flood modelling work will be carried out in order to define baseline conditions and provide the basis for the subsequent assessment of effects;
 - a walkover survey of the Moorside Site will be undertaken to identify the sources of poor water quality in some of the smaller watercourses and ponds within the Site; and
 - a survey will be undertaken of the lowermost reach of the River Ehen to identify the maximum upstream extent of saline influence.

Marine and coastal physical processes

- A Phase 2 bathymetric and geophysical survey is currently underway (Phase 1 completed in 2014) in order to improve understanding of seabed conditions including the presence of mobile bedforms as well as the seabed texture/roughness.

Marine water and sediment quality

- No further survey requirements are identified at this time.

Marine Ecology

- Complete survey data analysis work.
- A Phase 2 intertidal survey will be carried out in the vicinity of the MOLF.
- No further fish surveys are currently scheduled, but this is dependent on the availability and quality of third-party data to provide relevant information.

Terrestrial and Freshwater Ecology

- Moorside Site - Carry out:
 - badger survey; bat roost survey; bat activity survey (year 2); otter survey (year 2); reptile survey; great crested newt surveys; natterjack toad survey; and freshwater invertebrate survey; and
 - Indicative Area for Environmental Measures: Desk study; Phase 1 Habitat survey and reptile survey.
- Accommodation Sites - Carry out:
 - National Vegetation Classification (NVC) survey; river corridor survey; pond assessment survey; badger survey; bat roost survey; bat activity survey, amphibious mammal survey; reptile survey; great crested newt survey; terrestrial invertebrate survey; and freshwater invertebrate survey (not all surveys will be needed at all sites).
- Additional Sites - Carry out:
 - Desk study; followed by
 - badger survey; bat roost assessment; bat activity survey; amphibious mammal survey; and reptile survey (not all surveys will be needed at all sites).

Ornithology

- Moorside Site:
 - extensive ornithological survey work of the Moorside Site has been undertaken over much of the Moorside Site. Where necessary, further gap filling survey work will be undertaken in 2016; and
 - additional tern roost monitoring is to be undertaken in summer 2016.
- Accommodation Sites - Carry out:
 - terrestrial territory mapping surveys;
 - breeding kingfisher surveys will be incorporated into the survey for appropriate habitats;
 - breeding barn owl surveys for the Mirehouse Site and Egremont Site; and

- all remaining seasonally constrained survey work (March-June).
- Additional Sites - Carry out:
 - terrestrial territory mapping surveys;
 - breeding kingfisher surveys will be incorporated into the survey in appropriate habitats; and
 - all remaining seasonally constrained survey work (March-June).

Climate and Radiological

- Any baseline or surveys works required for these two chapters will be undertaken as part of the works required for other subjects and the information transferred across to the climate and radiological assessments.

Assessment work

24.2.3 As the baseline information is collected and confirmed, assessment work will be undertaken; considering the baseline against the emerging Moorside Project designs. It is intended to utilise the evolving design details to undertake the assessments, with the conclusions drawn then being fed back into the design process to refine the development proposals and progress mitigation recommendations.

Cumulative Effects assessment

24.2.4 The review of 'other developments' for the cumulative effects assessment will continue over the assessment period until an identified and agreed cut-off date in advance of the finalisation of the DCO ES. This review will ensure that all relevant other developments are identified and that the most up to date information on each relevant development is collected. The assessment of the Moorside Project alongside these other developments will be undertaken as described in Chapter 3 of this PEIR.

Final Environmental Statement

24.2.5 The final ES will provide all of the relevant text, supporting figures and accompanying appendices required to ensure the conclusions presented are evidenced and explained. Supporting documents will include assessments such as:

- Habitats Regulations Assessment Report, and
- Health Impact Assessment

24.2.6 In addition, there will be various mitigation documents outlining strategies and management plans, such as a Construction Environmental Management Plan, a Biodiversity Management Plan and detailed management plans for a range of individual environment topics.

- 24.2.7 These documents will provide further details to that in the main ES text, which confirm how the various environmental impacts will be managed in practice during the development.
- 24.2.8 The ES and the supporting documents will be submitted as part of a comprehensive package of documents as part of the DCO Application in 2017.