

**METHOD STATEMENT & RISK ASSESSMENT
REPLACEMENT POLE WORKS AT INGRAM VALLEY**

SITE: Electricity Pole No. 15 at land south of Ewe Hill, Ingram, Alnwick, Northumberland, NE66 4LT (as per attached site plan)
Grid Reference: NU00181670
Co-ords: (400187, 616704)

DESIGNATION: Sites of Special Scientific Interest (SSSI)
Tweed Catchment Rivers - England: Till Catchment SSSI
Ref: 1006740

Special Areas of Conservation (SAC)
RIVER TWEED
Ref: UK0012691

JOB REF: DI77798

JOB NAME: Resolve ground clearance issue as identified by LIDAR survey

NORTHERN POWERGRID STAFF:

Project Engineer
Mr. M Whittaker

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████████████████████

Wayleave Officer
Ross Anderson

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MAIN CONTRACTOR:

M R ROBSON ELECTRICITY SERVICES LTD
High Swinhope Shield, Hexham, NE47 9UU

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NATURE OF WORKS:

The work will involve the replacement and relocation of electricity wood pole No. 15.

The excavation of the new pole hole will be undertaken by approved contractor M R Robson Ltd using a 3 or 7 ton wide tracked excavator fitted with a 16 inch wide bucket.

All works under the supervision of Northern Powergrid direct staff at all times.

The excavations will be dug to a depth of 2.10m and the excavation cut around to a dimension of approx. 1.50m x 1.50m

The pole will be stabilised by the existing soil/clay/stones only. *No concrete is used.* Any excavated material will be placed back in the hole with just a small mound immediately around the pole which settles in time.

Where the old pole is to be removed, a small excavation of 1.0m x 1.0m will be required around the base of the pole and a chain attached to pull the pole out of the ground using the excavator. All excavated material to be back filled and levelled off.

To access the top of the pole, a wide tracked Mobile Elevated Work Platform (MEWP), also known as cherry picker, will be used.

Access to and from the pole will be via a single route and machinery movements kept to a minimum.

All works on site will be under the supervision of Northern Powergrid Engineer.

All plant machinery will be fuelled/oiled up before accessing the site and any further re-fuelling will be carried out off site outside the SSSI area.

To protect Biosecurity, all machinery will be thoroughly cleaned prior to use on site according to the '*Check, Clean Dry*' protocol from the NNSS (Non-native species.org) guidance.

No materials will be exported or imported from the site.

All staff will be briefed to make them aware they are working within a SSSI & SAC Protected Area.

HEALTH AND SAFETY STANDARDS

All work on site will be undertaken by fully trained and competent personnel in accordance with NPG working practices. The staff will be issued with florescent high visibility waistcoat style jackets as well as the necessary protective clothing and equipment.

The operation on site of NPG personnel will comply with NPG's general site safety rules and will not endanger people not in the employment of NPG or the general public. The work will comply the Management of Health and Safety at Work regulations.

All substances used in the performance of the work have been COSHH assessed and copies of data sheets are available at our Shiremoor depot.

NPG staff will carry out personal on site risk assessments before work commences on site.

All staff will be briefed to make them aware they are working within a SSSI Protected Area

HAZARDS

On site risk assessments will be continually carried out before and during work in accordance with company policy.

EXPECTED HAZARDS ARE:

**OPERATIVES ARE INSTRUCTED & TRAINED IN THE USE OF MACHINERY
INDIVIDUAL AWARENESS - MAINTAIN A SAFE DISTANCE FROM MACHINERY.**

CONTROL MEASURES

General good housekeeping of the work zone and use of personal protective equipment (PPE).

Compliance with standards.

Compliance with NPG work specifications.

All personal trained First Aiders & carry First Aid Kits

ACCIDENT PLAN

Major Injuries: Dial 999 (Request Air Ambulance)

Minor Injuries:

Nearest Accident and Emergency Hospital:

ALNWICK INFIRMARY

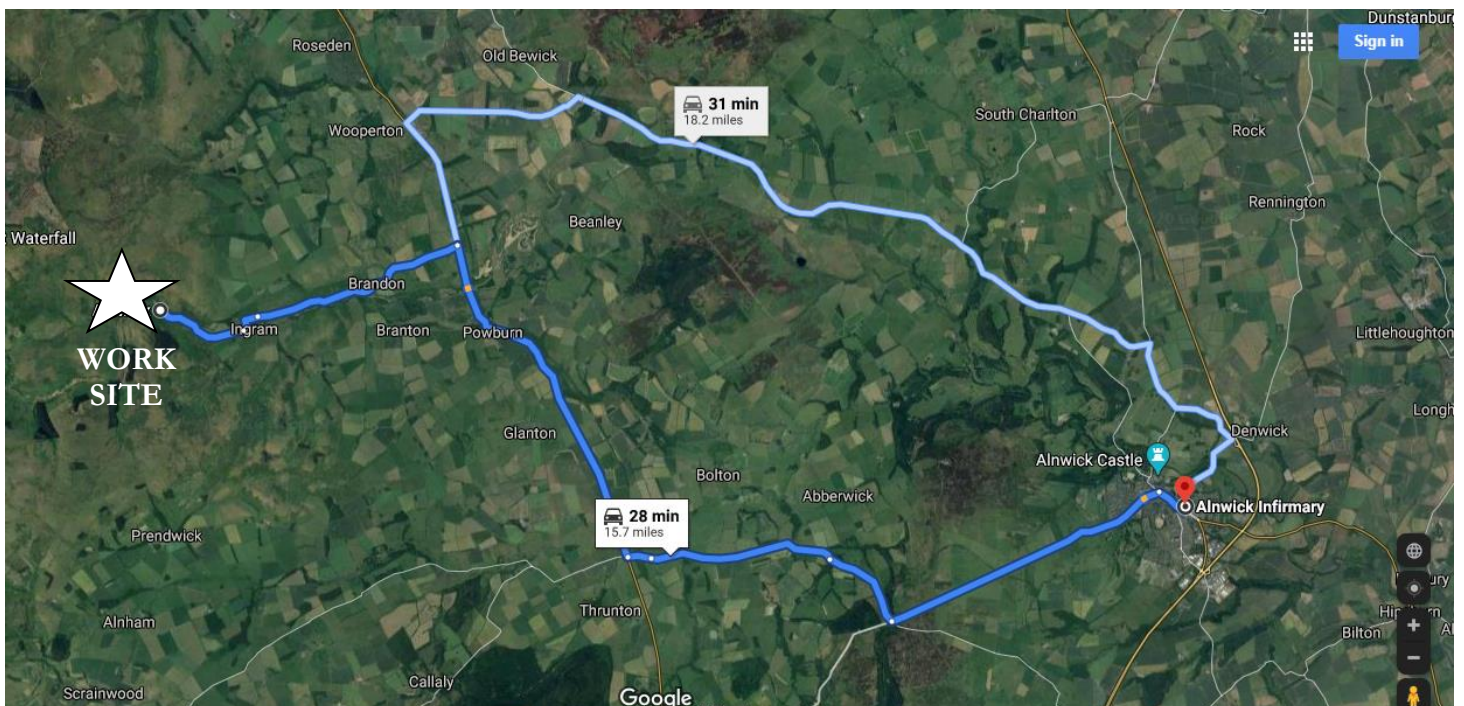
Infirmery Drive, South Road, Alnwick, Northumberland, NE66 2NS

Tel: [REDACTED]

Postcode: **NE66 2NS**

Distance: **15.7 miles**

Time: **28 minutes**



FLOOD RISK ASSESSMENT

- Location:** Land south the Ewe Hill, Ingram, Northumberland, NE66 4LT
adjacent to the River Breamish
- Works:** Replacement and relocation of Pole 15
- Date of works:** TBC (Works likely to take place in the summer months on the advice
from Natural England to avoid spawning times.

River levels should be lower at this time and less prone to flooding
- Duration of works:** 1 to 2 days

Monitoring of flood levels

Sign up for Flood Warning Service via Environment Agency website for River Breamish

Monitoring Weather via: BBC Weather website
Met Office website
Local Radio / TV reports

In the event of a flood

All work to stop on site

All plant machinery and materials to be moved to 'parking area' or high ground out of flood
zone if necessary

Personal to stay out of the flooded area until safe

CONTINGENCY PLAN

If in the event that the works cannot be completed on site:

All materials, plant and machinery will be moved as soon as practicably possible
to the 'Parking Area'.

Works will resumed on site once conditions prevail

The condition and state of pole 15 will be monitored at all times

The overhead line/poles will be made safe

Access will be limited Trained Authorised Personal only

NORTHERN POWERGRID SPECIFIC RISK ASSESSMENT DETAILS

Task		Conditions	
EMPLOYEE WORKING AT A HEIGHT		NORMAL SITE CONDITIONS	
Hazard	Initial Risk	Control Measure	Resulting Risk
PERSONS FALLING - EMPLOYEE FALLING FROM LADDER, POLE OR TOWER	axf=H	TRAINING - STAFF TRAINED AND ASSESSED TO AN APPROPRIATE LEVEL OF COMPETANCY	
		SUPERVISION - supervision given at difficult situations	
		COMPLIANCE WITH STANDARDS - WORK CARRIED OUT IN ACCORDANCE WITH ASSOCIATED WORK SPECIFICATION	
		INDIVIDUAL AWARENESS - pole top work carried out tidily with no unnecessary equipment positioned at the pole top	
		HOUSE KEEPING - ENSURE WORK AREA IS KEPT CLEAR FROM OBSTRUCTION	
		PPE - FALL ARREST HARNESS TO BE WORN AT ALL TIMES WHEN WORKING AT A HEIGHT	
		OTHER - gi.5/12/13/15 scop. misc 2/3	
		DSR / OPM - WORK CARRIED OUT IN ACCORDANCE WITH D.S.R O.PM RULES	axd=M
OBJECTS FALLING / COLLAPSE - (from height or dropped)	axf=H	COMPLIANCE WITH STANDARDS - WORK CARRIED OUT IN ACCORDANCE WITH ASSOCIATED WORK SPECIFICATION	
		HOUSE KEEPING - WORK ENVIROMENT KEPT TIDY	
		INDIVIDUAL AWARENESS - MAINTAIN A SAFE DISTANCE FROM THE LOCATION WHEN PRACTICAL, ITEMS LOWERED IN A CONTROLLED MANNER	
		OTHER - gi.5/12/13 scop.m2	axd=M
HAND TOOLS - hand tools falling from height	axf=H	TRAINING - STAFF TRAINED AND ASSESSED TO AN APPROPRIATE LEVEL OF COMPETANCY	
		COMPLIANCE WITH STANDARDS - WORK CARRIED OUT IN ACCORDANCE WITH ASSOCIATED WORK SPECIFICATION	
		HOUSE KEEPING - ENSURE WORK AREA IS CONTROLLED AND ACCESS & EGRESS IS CLEAR	
		INDIVIDUAL AWARENESS - MAINTAIN A SAFE DISTANCE FROM THE LOCATION WHEN PRACTICAL, ITEMS LOWERED IN A CONTROLLED MANNER	
		OTHER - gi. 5/12/13	axd=M

CONDUCTOR ERECTION / DISMANTLING WITH THE WINCH		NORMAL SITE CONDITIONS. & PROXIMITY OF THE PUBLIC	
Hazard	Initial Risk	Control Measure	Resulting Risk
TRANSPORT / MOBILE PLANT - MOVING PARTS ON WINCHES & RUNNING BLOCKS LIKELY TO CAUSE PERSONEL INJURIES	axe=H	TRAINING - STAFF APPROPRIATELY & ADDEQUATELY TRAINED TO THE REQUIRED LEVEL OF KNOWLEDGE, SKILL , & COMPETENCE	axd=M
		COMPLIANCE WITH STANDARDS - WORK CARRIED OUT IN ACCORDANCE WITH ASSOCIATED WORK SPECIFICATIONS AND OHI 4 - STAYS	
		INDIVIDUAL AWARENESS - STAFF TO BE AWARE OF MOVING PARTS ON PLANT & MACHINERY	
		GUARDING - WHERE FITTED ALL MACHINERY GUARDS TO BE IN PLACE	
PERSONS FALLING - EMPLOYEE FALLING FROM LADDER, POLE, TOWER OR ACCESS PLATFORM.	axf=H	OTHER - REF TO RISK ASSESSMENT GRA / 1165 (WORK AT HEIGHTS WITH RISK OF FALL OF 2.0 M OR MORE) & RISK ASSESSMENT GRA / 1166.(WORK FROM LADDERS OR SCAFFOLD PLATFORMS)	axd=M
STEP ON / STRIKE AGAINST - CHANGE IN CONDUCTOR TENSIONS, RESULTING IN REDUCED GROUND CLEARANCES, LIKELIHOOD OF STAFF OR PUBLIC STRIKING OR BEING STRUCK BY SUCH CONDUCTORS.	axf=H	TRAINING - STAFF APPROPRIATELY & ADDEQUATELY TRAINED TO THE REQUIRED LEVEL OF KNOWLEDGE, SKILL , & COMPETENCE	axd=M
		INDIVIDUAL AWARENESS - THE RAISING & LOWERING OF CONDUCTORS & FITTINGS TO BE CARRIED OUT IN A CONTROLLED MANNER	axd=M
NOISE / VIBRATION - NOISE VIBRATION FROM PLANT ON SITE	bxe=M	SIGNING - APPROPRIATE SIGNS TO BE ERRECTED ALONG ACCESS/EGRESS ROUTES TO NOTIFY THE PUBLIC OF OVERHEAD REPAIRS IN PROGRESS.	bxd=L
		PPE - APPROPRIATE & APPROVED PPE TO BE USED WITH PARTICULAR EMPHASIS PLACED UPON GENERAL BODY PROTECTION & GLOVES	axd=M
		COMPLIANCE WITH STANDARDS - WORK TO BE CARRIED OUT IN ACCORDANCE WITH ASSOCIATED OVERHEAD WORK SPECIFICATIONS.	
		GUARDING - SAFETY OF STAFF & PUBLIC TO BE ENSURED BY BARRIERING OFF THE WORKING AREA & / OR BY MAKING APPROPRIATE ARRANGEMENTS AT ALL RELEVANT LOCATIONS ALONG THE ROUTE. Ie SCAFFOLDING/NETTING/TELNET ACROSS RAILWAYS & ROADS. SUPERVISION OF FOOTPATHS etc	
		SUPERVISION - STAFF TO SUPERVISE THE ACCESS / EGRESS OF PUBLIC / TRAFFIC THROUGH WORK SITE	
		PPE - APPROPRIATE & APPROVED PPE TO BE USED WITH PARTICULAR EMPHASIS PLACED UPON THE USE OF HIGH VISABILITY JACKETS & HARD HATS.	
OBJECTS FALLING /	axe=H	TRAINING - STAFF APPROPRIATELY &	axd=M

COLLAPSE - CONDUCTORS & FITTINGS FALLING IN AN UNCONTROLLED MANNER ONTO STAFF OR PUBLIC		ADDEQUATELY TRAINED TO THE REQUIRED LEVEL OF KNOWLEDGE, SKILL , & COMPETENCE	
		COMPLIANCE WITH STANDARDS - WORK TO BE CARRIED OUT IN ACCORDANCE WITH ASSOCIATED OVERHEAD WORK SPECIFICATIONS.	
		INDIVIDUAL AWARENESS - THE RAISING & LOWERING OF CONDUCTORS & FITTINGS TO BE CARRIED OUT IN A CONTROLLED MANNER	
		SIGNING - APPROPRIATE SIGNS TO BE ERRECTED ALONG ACCESS/EGRESS ROUTES TO NOTIFY THE PUBLIC OF OVERHEAD REPAIRS IN PROGRESS.	bxe=M
		GUARDING - SAFETY OF STAFF & PUBLIC TO BE ENSURED BY BARRIERING OFF THE WORKING AREA & / OR BY MAKING APPROPRIATE ARRANGEMENTS AT ALL RELEVANT LOCATIONS ALONG THE ROUTE. Ie SCAFFOLDING/NETTING/TELNET ACROSS RAILWAYS & ROADS. SUPERVISION OF FOOTPATHS etc	
		SUPERVISION - STAFF TO SUPERVISE THE ACCESS / EGRESS OF PUBLIC / TRAFFIC THROUGH WORK SITE	
		PPE - APPROPRIATE & APPROVED PPE TO BE USED WITH PARTICULAR EMPHASIS PLACED UPON THE USE OF HIGH VISABILITY JACKETS & HARD HATS.	
NOISE / VIBRATION - FROM PLANT ON SITE	bxe=M	TRAINING - STAFF APPROPRIATELY & ADDEOUATELY TRAINED TO THE REQUIRED LEVEL OF KNOWLEDGE, SKILL, & COMPETENCE WITH PARTICULAR EMPHASIS PLACED UPON NOISE AWARENESS	bxd=L
		PPE - APPROPRIATE AND APPROVED PPE TO BE USED WITH PARTICULAR EMPHASIS PLACED UPON THE USE OF EAR DEFENDERS	

Task		Conditions	
WORK IN EXCAVATIONS DEEPER THAN 1.2m			
Hazard	Initial Risk	Control Measure	Resulting Risk
TRANSPORT / MOBILE PLANT - PASSAGE OF VEHICLES ADJ TO WORK AREA	axf=H	SIGNING - STAFF TRAINED IN AND WORKING D.O.T CODE PRACTICE	
		GUARDING - WHERE APPROPRIATE WORK AREA GUARDED OFF TO DOT CODE OF PRACTICE (SAFETY AT STREET WORKS AND ROADWORKS)	axd=M

PERSONS FALLING - SLIPS TRIPS FALLS	axf=H	COMPLIANCE WITH STANDARDS - WORK IN ACCORDANCE WITH CABLE LAYING MANUAL AND GENERAL INSTRUCTION SITE SAFETY	
		PPE - APPROPRIATE P.P.E	
		SIGNING - STAFF TRAINED IN AND WORKING TO D.O.T CODE PRACTICE	
		GUARDING - WHERE APPROPRIATE WORK AREA GUARDED OFF TO DOT CODE OF PRACTICE (SAFETY AT STREET WORKS AND ROADWORKS)	axd=M
OBJECTS FALLING / COLLAPSE - COLLAPSE OF EXCAVATION OBJECTS FALLING FROM STACKS	axf=H	SUPERVISION - EXCAVATIONS TO BE INSPECTED DAILY BY A COMPETENT PERSON	
		COMPLIANCE WITH STANDARDS - EXCAVATIONS SHORED IN ACCORDANCE CONSTRUCTION GENERAL PROVISION REG 1961 SINO1580	
		HOUSE KEEPING - ENSURE WORK AREA IS KEPT CLEAR FROM OBSTRUCTION	
		PPE - APPROPRIATE P.P.E	axd=M
HANDLING GOODS / ARTICLES - HANDLING EQUIPMENT	bxh=H	TRAINING - STAFF TRAINED IN LIFTING & MOVEMENT	
		COMPLIANCE WITH STANDARDS - STAFF WORKING IN ACCORDANCE WITH GENERAL INSTRUCTION LIFTING & MOVEMENT	
		PPE - APPROPRIATE P.P.E	bxe=M
OTHER - SAFE ACCESS/ EGRESS FROM EXCAVATION	axf=H	COMPLIANCE WITH STANDARDS - PROVISION OF LADDERS FOR SAFE ACCESS EGRESS IN ACCORDANCE WITH HEALTH & SAFETY INSTRUCTION 6 /80	axd=M
OTHER - FLOODING OF EXCAVATION	axf=H	OTHER - PROVISION OF SUITABLE EQUIPMENT TO PUMP OUT EXCAVATION	axd=M
OTHER - UTILITIES	axf=H	TRAINING - OPERATIVES TRAINED IN HAUC ASSESSMENTS	
		COMPLIANCE WITH STANDARDS - WORKING IN ACCORDANCE WITH CABLE LAYING MANUAL HS G /47 AVOIDANCE OF UNDERGROUND SERVICES	axd=M