

PRE-STRESS

| | |
|---------------------------|--|
| Duty-holder name | |
| Site Address | |
| Registered Office Address | |
| Employee Numbers | |

| Inspection Item | | Y | N | Comments |
|-----------------|---|---|---|----------|
| 1 | Is there a documented Stressing Policy? | | | |
| 2 | Are all operatives involved in the pre-stressing process suitably and sufficiently trained (e.g. PS1-4) with a record of training available? | | | |
| 3 | Have risk assessments been completed for prestressing activities and which include the effects of dust and noise? | | | |
| 4 | If Y to 3 – have risk assessments been communicated to employees and is a record of training (and refresher training) available? | | | |
| 5 | Is there a documented safe system of work (SSOW) completed for pre-stressing work activities, e.g. off-loading and handling of steel? | | | |
| 6 | If Y to 5 – have safe systems of work been communicated to employees and is a record of training (and refresher training) available? | | | |
| 7 | Is there a procedure for: <ul style="list-style-type: none"> i. inspecting wires ii. reporting damaged wires iii. the de-tensioning of beds? | | | |
| 8 | Has Manual Handling been risk assessed with suitable and sufficient controls implemented (e.g. jack support)? | | | |
| 9 | Are employees provided with the appropriate PPE (e.g. eye protection, gloves)? | | | |
| 10 | Are pre-start / stressing equipment inspections recorded and available to view? | | | |
| 11 | Is the off-loading, handling and storage of steel coils adequate to ensure failure modes are minimised? | | | |
| 12 | Is a report of thorough examination available for all lifting equipment used during pre-stressing activities? | | | |
| 13 | Are straps on steel coils cut with steel-strapping cutters? | | | |
| 14 | Is the stressing operative provided with a safe location during stressing operation? | | | |

| | | | |
|----------------------------|---|--|--|
| 15 | Are all other operatives excluded from the work area? | | |
| 16 | Are warning signs displayed with visual/audible alarms? | | |
| 17 | Is written instruction provided detailing size of strand and appropriate stressing force? | | |
| 18 | Are there protection measures in place post stressing at stressing and non-stressing ends? | | |
| 19 | Are intermediate saddles provided every 5-10 metres? | | |
| 20 | Are these saddles and anchorage points visually inspected daily? | | |
| 21 | Are hydraulic jacks maintained and have a maintenance record? | | |
| 22 | Are hydraulic jacks routinely inspected and have a current calibration certificate (required every 6 months)? | | |
| 23 | Does the pump have a pressure relief valve to ensure wire / strand is not overstressed? | | |
| 24 | Are barrels and wedges routinely cleaned and inspected with the aid of magnification? | | |
| 25 | Is a steel barrel insert tool used to measure barrel wear? | | |
| 26 | Are spot checks completed alongside an independent inspection of barrels and wedges every 12 months? | | |
| 27 | Are barrels and wedges stored in a rotational system? | | |
| 28 | Where lubrication sprays are used, have these been risk assessed? | | |
| 29 | Is there an extraction system provided where the barrels and wedges are lubricated? | | |
| 30 | Are rejected items (i.e., barrels and wedges) removed from the production process immediately? | | |
| 31 | Are records maintained for the cleaning, inspection and discarding of barrels and wedges? | | |
| 32 | Is an NDT test carried out on all beds every 5 years? | | |
| Additional comments | | | |
| | | | |