

Task Risk Control Sheet

Using OTP for flailing operations

RCS No: NR/L3/MTC/RCS0216/MP13
Issue: 2

Key Risks !

- Struck by Train (2)
- Electrocution (9)
- Noise (11)
- Communication (12)
- Striking objects, people etc
- On / Off Tracking

Personnel Involved

E&P	✓
S&T	✓
Track	✓
Off Track	✓
Property	✓

Tools / Equipment None

Plant Road / Rail Flail Machine

Key Risks	Controls	Implemented By
Key Use & Control of OTP	<ul style="list-style-type: none"> • See Risk Control Sheet NR/L3/MTC/RCS0216/MP01 - Use and Control of OTP 1, 2, 9 and 12 	
Struck by Train	<ul style="list-style-type: none"> • Flail vehicle shall only work within Possession, Siding Possession or RETB possession • Protect by minimum of line blockage of adjacent lines if fouled by flailing machine 	Machine controller
Striking people / obstructions / infrastructure	<ul style="list-style-type: none"> • Maintain exclusion zone – there shall be no people within 100 metres from the flail head • Stop flailing operations where indicated on the risk assessments, site survey or where marked on site • Remove debris from roads, public areas and from S&C, and excess debris from the infrastructure • Stop flailing operations when a train is passing on adjacent lines 	Machine controller
On / Off Tracking at: <ul style="list-style-type: none"> • Built up area • Ramps / Turntables • Level Crossings 	<ul style="list-style-type: none"> • On and off tracking shall be planned in advance to identify hazards, using authorised access points • Passengers shall not be permitted whilst on and off tracking with all other people moved to a position of safety • Flail shall be on and off tracked on plain line only • When using ramps and turntables the track shall not exceed a maximum cant of 50mm whilst on and off tracking • At level crossings non-slip surface shall be provided if required in addition to adherence to Rule Book Module TW8 – Level Crossings 	Line Manager / All Staff / COSS / Team Leader
Working under flail	<ul style="list-style-type: none"> • Prior to working under the flail, the wheels shall be scotched • Work shall only to be performed when the flail is on a level gradient with the hand brake applied 	Operator / Maintenance staff
Use of a Chipper including: <ul style="list-style-type: none"> • Machine jamming or snagging • Unauthorised use 	<ul style="list-style-type: none"> • Only trained and competent persons permitted to use chipper, including training in the maximum size of cuttings to be used with chipper • All chippers shall be subject to planned preventative maintenance • Loose clothing shall not to be worn when using chippers • Body parts shall not be placed into the chipper • Chipper shall not to be left unattended when in use • Disconnect and isolate the power when the chipper is left unattended 	Line Manager / All Staff / COSS / Team Leader

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Flail Operations including: <ul style="list-style-type: none"> Collision with obstructions & people, etc Gradients Derailments Unworked points Exposed cables Being struck by ejected particles Contact with OHLE 	<ul style="list-style-type: none"> Flails shall be subject to a planned preventative maintenance programme Flail work shall be scoped prior to operation for possible hazards and the operator briefed on any hazards e.g. exposed electrical cables Flails shall not be used on gradients greater than 1 in 10 Any unworked points shall be secured prior to movements and operator to check position of points prior to passing through them Flailing shall only to be permitted with an isolation of OHLE Operators shall perform pre-user checks prior to operation Flail shall be operated in accordance with Rule Book Modules OTP / OTM Demarcated exclusion zones shall be established 100 metres from flail Reversing shall be minimised where possible Back to back radios shall be used for guidance of flail by staff from a position of safety Vehicle lights shall be illuminated and horns sounded prior to movements Vehicles fitted with flails shall not exceed 20 mph or 5 mph through switches and crossings whilst transiting When flail is in operation the vehicle speed not exceed walking pace Trees with a girth in excess of 4 inches shall not to be flailed and areas not suitable for flailing suitably marked Hand/Eye/Ear protection shall be worn 	Line Manager / All Staff / COSS / Team Leader

PPE Required by NR / Maintenance Policy

 <p>Wear Head Protection</p>	 <p>Wear Foot Protection</p>	 <p>Wear Hi Visibility Clothing</p>	 <p>Wear Safety glasses to BS EN 166.F</p>	<p>If safety glasses introduce a risk (ie weather conditions) then the Team Leader shall assess the risk. The outcome of the assessment shall be recorded on the SSOWPS pack and safety glasses may be removed.</p> <p>This does not supersede the requirements for eye protection detailed on relevant Task Risk Control Sheets.</p>
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Additional PPE Required by Task Risk Control Sheet

 <p>Wear Hand Protection</p>	 <p>Wear Hearing Protection</p>	 <p>Wear Safety glasses to BS EN 166.F</p>				
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