

Assessment Number: 1		A	Assessment Date: 1/10/20
Plant Type: 3T Telehandler Plant Make: JCB Plant Model: 532-70 Agri		A	Assessment Facilitated by: Leigh Evans (Admin/Accounts Manager)
Asset/Fleet/Rego No: TELHAN3 Plant Serial No. Various		A	Assessment Participants: Lachlan Horton (Yard Manager)
Plant Owner Name: Northern Hire Group		1	Initial Assessment
Follow up based on change to:			
Use of plant ☐ System of work ☐ Plan	t Environm	ent 🗌	New or additional information Plant through modification
Is the plant designed to perform the task?	Yes X	No 🗌	
Has the plant been modified from the original condition?	Yes 🗌	No X	
Is the plant in good working condition and free of weeds & mud?	Yes X	No 🗌	
All identified action items closed out/addressed (plant checks)?	Yes X	No 🗌	
Is the plant safe to operate? (On completion of PHA and action closure)	Yes X	No 🗌	
			Date: Signature:

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Risk / Opportunity Rating Table (see <u>Risk Management Consultation</u>
<u>Process Appendix</u> for a full description of Risk Consequence, Opportunity Consequence and Likelihood Ratings)

	Almost Certain	D	С	В	Α	A				
ting	Likely	D	D	С	В	Α				
Likelihood rating	Possible	Е	D	С	С	В				
Likeli	Unlikely	E	E	D	С	В				
	Rare	E	E	D	D	С				
		1	2	3	4	5				
		Consequence rating								

Action and Approval Scheme

These suggested timings and tolerance levels in the Action Table will be overridden by specific policies of the company that either dictate shorter timeframes for corrective action or zero tolerance. For example, the company has a zero tolerance policy for Safety and Environmental risks.

The decision to tolerate a risk or capture a opportunity should be based on a consideration of:

Whether the risk / opportunity is being controlled to a level that is reasonably achievable;

Whether it would be cost-effective to further control risk or capture the opportunity;

Whether John Holland wishes to tolerate risks / opportunities of that type

Action Table

Residual risk / opp level	Suggested action	Timing of status report and management plans	Authority for continued toleration or improvement of residual rating.
A	Take action to eliminate or implement additional controls to reduce it to acceptable level (ALARP/SFAIRP). "Onsite activities" — Intolerable and activity must not commence	Report as soon as practicable. Normally within hours.	Senior Executive Manager Plus Project Manager / Project Leadership Team
В	Implement additional controls reduce it to ALARP/SFAIRP. "Onsite activities" – must not commence without Corporate Management review	Manage and re-evaluate risk / opportunity to allow reporting days Manage and re-evaluate risk / opportunity to allow reporting every two weeks	General Manager and / or Project Manager / Project Leadership Team
С	Implement additional controls reduce it to ALARP/SFAIRP. "Onsite activities" – must not commence without Site Management review	Manage and re-evaluate risk / opportunity to allow reporting monthly	"Specialist" Manager, eg Construction or Design Manager
D	Will still require attention within existing operations to reduce to ALARP/SFAIRP. "Onsite Activities" – Site Management must determine appropriate level of management and supervision prior to commencement of activity	Manage and re-evaluate risk / opportunity to allow reporting every quarter	Team Leader
E	Lower priority. May be tolerable	Monitor, manage and carryout activity in accordance with identified controls	Supervisor

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Potential Hazards		Hazar	ď	Describe Hazard	Controls	Current Risk Level	New or Additional Controls Required	Final Risk	New or Additional Controls Action	Action Verified as Complete:
	Υ	N	N/ A				on Plant	Level	By: (Name and Date)	(Name and Date)
1. Are there any specific warnings or conditions (manufacturers or other) relating to potential hazards from the operation of the item of plant? Refer to technical or operating manuals, SOPs, safe use instructions List any relevant safety warning hazards & controls	Y			Potential Hazard	Refer to Safe Use Guide (attached) Operator Manual & site specific controls					
Are there any COMMUNICATION requirements in relation to the safe operation of the plant? Active signalling processes. Point to point communications. Whistle Spotter (with/without whistles) Flag signalling Labels and signage	Y			Potential Hazard	Refer to Safe Use Guide (attached) Operator Manual & site specific controls					

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Potential Hazards	ŀ	Hazar		Describe Hazard	Controls	Current Risk Level	New or Additional Controls Required	Final Risk	New or Additional Controls Action	Action Verified as Complete:
	Υ	N	N/ A				on Plant	Level	By: (Name and Date)	(Name and Date)
3. Can anyone be ENTANGLED in the plant? Hair or other body parts caught in moving parts PPE caught in moving parts Isolation devices Warning decals Guarding Rotating parts Emergency stops	Y			Entanglement risk from moving parts	Exclusion zones and PPE (goggles, mask, protective clothing) will be required and a risk assessment must be undertaken onsite to determine PPE and controls. Machine must be isolated before cleaning or maintenance. Body parts and loose items such as jewellery, fabric, strapping, cables, wires etc. to be kept clear of moving parts.					

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4. Can anyone be		Dooth an and an internet	Francisco de et ell			
CRUSHED or	Y	Death or serious injury from	Ensure that all			
TRAPPED? (e.g.		contact with moving parts,	operators follow			
through unexpected		operating unit in areas where	approved			
		people and other plant are	SWMS/ SOP			
movement, lack of		present, and unexpected	when loading			
capability for plant or		movement of plant	and unloading			
equipment to be			this machine to			
slowed, stopped or			and from a flat			
immobilised, plant			top truck or			
tipping or rolling, being			trailer, low			
thrown from plant)			loader or tilt tray.			
and an arrangement			A Roll Over			
■ Emergency stop (E Stop)			Protective			
 Service or parking brake 			Structure			
Battery isolator			(ROPS) to I SO			
■ ROPs/FOPs			3471, I SO			
Being crushed between			12117.1 or 2, AS			
moving parts			2294 or AS 4987			
 Unexpected movement 			is fitted to this			
Neutral Start			item of plant. A			
 Reversing/travel alarm 			permanent label			
Warning horn			stating this			
 Amber flashing beacon 			standard must			
 Rear swing warning lights 			be attached to			
 Pedals non slip surface 			the structure at			
Appropriate controls			all times. This			
Rear view mirror			structure			
Seat belt			provides a			
Door inter locks			safety envelope			
 Crush zone decals 			during a rollover.			
Guarding devices			A warning label			
Mandatory secondary			re: wearing of			
protection device installed on			seat belts at all			
all boomtype MEWP			times whilst this item of plant is in			
			operation and			
			accordingly seat			
			belts must be			
			worn at all times			
			during operation.			
			The rated			
			capacity chart			
			fitted for lifting			
			operations has a			
			maximum level			
			angle which			
			must never be			
			exceeded during			



		lifting operations.			
		Operators must not exceed the rated capacity at any time during operation.			
		Isolate plant before commencing pre-start. Identify delineation between site personnel and plant. Apply park brake and isolation procedures to be implemented when leaving cabin			
		Exclusion zones will be required and a site specific risk assessment must be undertaken onsite to determine extent of controls			
		High risk Construction work requires the creation and consultation on SWMS –refer to local requirements.			
		Refer to transport load restraint guide or transport SOP/SWMS to determine proper securing of device.			



Potential Hazards	ŀ	Hazar		Describe Hazard	Controls	Current Risk Level	New or Additional Controls Required	Final Risk	New or Additional Controls Action	Action Verified as Complete:
	Υ	N	N/ A				on Plant	Level	By: (Name and Date)	(Name and Date)
5. Can anyone be CUT, STABBED or PUNCTURED? Flying objects Moving parts Pinch points Sharp edges Isolation devices Warning decals Guarding	Y			Potental injury from ejected materials	Pre-start inspection must ensure all guards are in place. Exclusion zones and PPE (goggles, mask, protective clothing) will be required and a risk assessment must be undertaken onsite to determine PPE and controls.					
Between two moving and rotating parts Between fixed and moving parts Warning decals Guarding	Y			Body parts can be sheared between two parts of the plant, or plant and obstacle/structure while in operation	Exclusion zones and PPE (goggles, mask, protective clothing) will be required and a risk assessment must be undertaken onsite to determine PPE and controls. Machine must be isolated before cleaning or maintenance					

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Potential Hazards	ı	Hazaı		Describe Hazard	Controls	Current Risk Level	New or Additional Controls Required	Final Risk	New or Additional Controls Action	Action Verified as Complete:
	Υ	N	N/ A				on Plant	Level	By: (Name and Date)	(Name and Date)
 7. Can ABRASION, TEARING or STRETCHING occur? Continuous contact with moving parts Warning decals Guarding Pulling/pushing 	Y			Injury caused by contact with moving parts	Exclusion zones and PPE (goggles, mask, protective clothing) will be required and a risk assessment must be undertaken onsite to determine PPE and controls. Machine must be isolated before cleaning or maintenance					
8. Can anyone be STRUCK whilst operating the plant? Plant disintegrating Mobility of plant travelling Reversing/travel alarm Amber flashing beacon Work pieces thrown out Moving parts Warning decals Guarding	Y			Operator and/or workers/public struck by plant and/or debris	Exclusion zones and PPE (goggles, mask, protective clothing) will be required and site specific a risk assessment must be undertaken to determine PPE and controls.					

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9. Can a hazardous PRESSURE be produced? • Hydraulic hoses • Radiator • Come into contact with fluids under high pressure	Y		Potential Hazard	This item of plant has hydraulic hoses. These hoses must be inspected each day or before each use for wear and tear. I f there are visible signs of wear immediate action must be taken to control the risk arising from this wear. These inspections must be documented. Hydraulic fluid at high pressure can penetrate the skin, never use any part of your body to check for leaks. If oil penetrates the skin seek medical advice immediately. Always use a piece of cardboard or similar to check for suspected leaks. Hydraulic pressure can be stored and is a hazard. Before disconnection or			
				high pressure			
				the skin never			
				vour body to			
				check for leaks.			
				the ckin sock			
				medical advice			
				immediately.			
				Always use a			
				piece of			
				cardboard or			
				similar to check			
				for suspected			
				leaks.Hydraulic			
				hazard Refere			
				disconnection or			
				connection of			
				hydraulic hoses			
	1			complete the			
				following steps -			
	1			1. Stop engine			
				2. Keep all			
				bystanders clear			
				of the work area			



Potential Hazards	ŀ	lazar		Describe Hazard	Controls	Current Risk Level	New or Additional Controls Required	Final Risk	New or Additional Controls Action	Action Verified as Complete:
	Υ	N	N/ A				on Plant	Level	By: (Name and Date)	(Name and Date)
					3. Refer to operators manual as to methods to release pressure					
					4. Wait 5 minutes					
					Ensure that a sturdy, permanent shield is installed to prevent injury due to fluid jet or movement (whiplash) of all hydraulic hoses as a result of fluid leakage or component failure. Once installed this shield(s) must be present and fully functional at all times whilst this item of plant is in operation.					

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10. Can an ELECTRICAL	Y			l		1	
hazard be created?	Y		Contact wih overhead and/or	Determine			
nazara be createa:			underground electrical services	location of			
				overhead and			
Lack of insulation				underground			
 Contact with electrical 							
conductors				hazards and			
				clearly mark			
Poor earthing				above ground			
 Water near equipment 				with minimum			
Lack of isolation				approach			
Warning decals				distances.			
Training accaie							
				These distances			
				must be adhered			
				to strictly.			
	1 1			Spotters are		1	
				required when			
				working within 5			
	1 1			working within 5		1	
				metres of the			
				minimum			
				approach			
				distance of any			
				live electrical			
				apparatus.Any			
				encroach within			
				the minimum			
				approach			
				distances must			
				only occur if the			
				fallarrian			
				following			
				provisions have			
				been met - 1.			
				The machine is			
				designed to			
				work within the		1	
						1	
				minimum		1	
				approach		1	
				distances2.		1	
				Permission has			
				been granted by			
				the electricity			
				the electricity			
				company and 3.			
				Safe systems of			
				work have been			
				documented and			
				approved.			
				αρριύνου.			
				Establish			
				exclusion zone.			

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Potential Hazards		Hazard		Describe Hazard	Controls	Current Risk Level	New or Additional Controls Required	Final Risk	New or Additional Controls Action	Action Verified as Complete:
		N	N/ A	Describe Hazara	Controls	ourient riisk Eever	on Plant	Level	By: (Name and Date)	(Name and Date)
11. Can an EXPLOSION or LOSS OF CONTENTS occur?	Y			Potential Hazard	Please refer to Operator Manual A site specific					
Gas emission,DustsVapours, lubricantsFuel tank					risk assessment must be undertaken by client prior to					
 Storage of haz chemicals/ DG's near plant Warning decals Ejection of workpiece Collapse or fragmentation 					operating plant.					

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Potential Hazards	ŀ	lazar		Describe Hazard	Controls	Current Risk Level	New or Additional Controls Required	Final Risk	New or Additional Controls Action	Action Verified as Complete:
	Υ	N	N/ A				on Plant	Level	By: (Name and Date)	(Name and Date)
 12. Can anyone using or near the plant SLIP, TRIP or FALL? Uneven surface Fall from a height Weather conditions Slippery surfaces 	Y			Potential Hazard	All personnel must – 1. Always face the item of plant during access and egress. 2. Always maintain three points of contact during access and egress. 3. Ensure the steps are clean. 4. Never jump off machine. All controls including all levers, buttons, pedals, switches etc. must be kept non-slip and free from damage at all times. A site specific risk assessment must be undertaken by client prior to operating plant					

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Potential Hazards	ı	Haza		Describe Hazard	Controls	Current Risk Level	New or Additional Controls Required	Final Risk	New or Additional Controls Action	Action Verified as Complete:
	Υ	N	N/ A				on Plant	Level	By: (Name and Date)	(Name and Date)
13. Are there ERGONOMIC - MANUAL HANDLING hazards associated with the plant? Poor posture Repetitive or sustained movements Awkward positions Strained movements Poorly designed seating Access and egress Access for maintenance Routine inspections and adjustments	Y			Potential Hazard - Strains	All controls including all levers, buttons, pedals, switches etc, are placed near the operator work position and are easy to reach and operate during the execution of the operator's normal duties. This applies for all persons within the 95th percentile of the normal population distribution.					
14. Are there ERGONOMIC	Y			Potential Hazard	All controls including all levers, buttons, pedals, switches etc. are clearly labelled as to their purpose and method of operation. These labels must be maintained in a clean and serviceable condition at all times					

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Potential Hazards	ŀ	Hazaı		Describe Hazard	Controls	Current Risk Level	New or Additional Controls Required	Final Risk	New or Additional Controls Action	Action Verified as Complete:
	Υ	N	N/ A				on Plant	Level	By: (Name and Date)	(Name and Date)
15. Are there specific requirements for ISOLATION of energy sources?	Υ			Potential Hazard	Please refer to Operator Manual					
Hydraulic pressure Compressed gases Electrical feeds/capacitors Motive power systems Suspended loads Operation by two or more persons										
16. Can unplanned LOSS of POWER create a hazard?	Y			Potential Hazard	Please refer to Operator Manual					
 Engine shutdown Loss of electrical supply Loss of steering systems Ability to apply brakes and stop Ability to lower suspended loads 										
17. Can anyone be SUFFOCATED?		Ν								
 Lack of oxygen Contaminated atmosphere Confined spaces Spaces where air flow is inadequate 										
18. Does operation of the plant cause extreme TEMPERATURE changes? • Fire • Burns through conduction • Convection • Cryogenic burns • Operation in extreme heat or	Y			Potential Hazard	Observe local fire restrictions and regulations. Do not drive vehicle in areas of high risk during declared Fire Danger Period.					

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Potential Hazards	ı	Hazaı		Describe Hazard	Controls	Current Risk Level	New or Additional Controls Required	Final Risk	New or Additional Controls Action	Action Verified as Complete:
	Υ	N	N/ A				on Plant	Level	By: (Name and Date)	(Name and Date)
 19. Can a FIRE occur? Friction Ingress of materials/fluids Build-up of materials/lubricants Fuels Fire extinguisher 	Y			Potential Hazard	Fire extinguisher(s) to AS 1841 must be present and fully functional and serviceable at all times. They must be readily accessible to the operator. Regular inspections must also be carried out in accordance with the manufacturer's requirements and AS 1851					
20. Can certain WEATHER conditions create a hazard? Hypothermia / extreme cold Heat stroke / extreme hot Wet conditions Electrical storms Dirt & mud on roads at egress points	Y			Potential Hazard	Please refer to Operator Manual. Observe local weather conditions and warnings.					
21. Does VIBRATION of the plant create a hazard? Plant becomes unstable Causes physical problems for the operator whilst operating Vibration of equipment Operation could cause unacceptable vibration levels in nearby structures	Y			Potential Hazard to operator over prolonged use	Modify work methods to reduce exposure					

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Potential Hazards	ŀ	Hazar		Describe Hazard	Controls	Current Risk Level	New or Additional Controls Required	Final Risk	New or Additional Controls Action	Action Verified as Complete:
	Υ	N	N/ A				on Plant	Level	By: (Name and Date)	(Name and Date)
22. Can the plant emit toxic FUMES or VAPOURS?Exhaust fumes	Y			Potential Hazard from exhaust fumes	Do not use in enclosed spaces.					
ChemicalsHaz chemicals/DG's					Ensure adequate ventilation					
 23. Carry out NOISE survey on page 14. Is the plant noisy? Emit >85 dBA at the operator Effects operator 	Y			Potential hazard with prolonged use	A site specific risk assessment must be undertaken to determine PPE					
communication Noise impacts on community during out-of-hours work (including reversing beepers)					and controls.					
24. Carry out the LIGHT survey on page 14. Is there poor visibility	Y				A site specific risk assessment must be undertaken to					
 At the controls At the task Darkens surrounding areas Light impacts on community or sensitive natural environment during out-of-hours work 					determine PPE and controls.					
25. Does the plant emit RADIATION?		N								
Eg X-raysEMRLaser										

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Potential Hazards		Hazard		Describe Hazard	Controls	Current Risk Level	New or Additional Controls Required	Final Risk	New or Additional Controls Action	Action Verified as Complete:
	Υ	N	N/ A				on Plant	Level	By: (Name and Date)	(Name and Date)
26. Can operation of the plant create DUST? Explosive atmosphere Breathing hazard Reduced visibility Nuisance dust at nearby community Impact on local flora and fauna Loss of topsoil and spread of weeds and pathogens	Y			Exposure to hazardous dust	Site risk assessment must be undertaken by client to ensure hazardous dust is not disturbed by plant/task (e.g. asbestos) Exclusion zones and PPE (goggles, mask, protective clothing) will be required and a risk assessment must be undertaken onsite to determine PPE and controls					

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27. Can the plant become UNSTABLE during operation? • Working on uneven / unstable ground • Shifting load • Lack of plant support • Outriggers	Y		Potential Hazard	A Roll Over Protective Structure (ROPS) to I SO 3471, I SO 12117.1 or 2, AS 2294 or AS 4987 is fitted to this item of plant. A permanent label stating this standard must be attached to the structure at all times. This structure provides a safety envelope during a rollover. A warning label re: wearing of seat belts at all times whilst this item of plant is in operation and accordingly seat belts must be worn at all times during operation. The rated capacity chart fitted for lifting operations has a maximum level angle which must never be exceeded during lifting operations. Operators must not exceed the rated capacity at any time during			
				any time during operation. Isolate plant. A site specific			
				risk assessment			



Potential Hazards	ı	Hazaı		Describe Hazard	Controls	Current Risk Level	New or Additional Controls Required	Final Risk	New or Additional Controls Action	Action Verified as Complete:
	Υ	N	N/ A				on Plant	Level	By: (Name and Date)	(Name and Date)
					must be undertaken by client onsite to determine PPE and controls					
28. Could LOSS of LOAD occur? Failure of ropes/slings Overloading Entanglement in surrounding structures Maintenance requirements	Y			Potential Hazard	Refer to Operator manual for pre- operational checks, maintenance & load capacity					
29. Is there anything in the SURROUNDING ENVIRONMENT that may produce a hazard? Power lines Low ceiling Other plant Storage areas Co-located equipment Isolation requirements Potential for flash flooding if operating adjacent to waterways Operating in known areas of weeds, pathogens or contamination Operating in sensitive environments requiring protection from offsite weeds/pathogens or spills	Y			Potential Hazard	A site specific risk assessment must be undertaken by client to detemine controls, PPE & exclusion zones.					
30. Can CHEMICALS create a hazard? Leaking from plant Splashing Explosion PPE considerations Spill kit considerations	Y			Potential Hazard	Please refer to Operator Manual.					

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31. Operator TRAINING / QUALIFICATIONS? Training requirements Qualification requirements Competency assessments Documentation Operator's manual Equipment experience Product knowledge	Y	Operation by persons who are not suitably qualified or experienced may result in injury to person, damage to property, and may also void insurance cover.	Earth moving machinery may only be moved and serviced only by persons who meet the following requirements: • 18 years or older. • Physically and mentally suited for this work. • Persons have been instructed in driving and servicing the earth moving machinery and			
			qualifications to the owner/contractor • Persons are expected to perform work reliably. • They have been appointed by the contractor for driving and servicing the			
			earth moving machinery. • They are informed on and follow the legal regulations of the relevant authority. All operators			
			must completely read and understand the Operator Manual			

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Potential Hazards	Hazard Hazards			Describe Hazard	Controls	Current Risk Level	New or Additional Controls Required	Final Risk	New or Additional Controls Action	Action Verified as Complete:
	Υ	N	N/ A		Controls		on Plant	Level	By: (Name and Date)	(Name and Date)
					prior to operating plant. Undertake a Job Safety and Environmental Analysis before use of plant, and use to determine that the relevant safety procedures are in place before					
					commencing work.					
32. Are there ANY OTHER potential hazards generated by or during the use of this item of	Y			Plant Failure	Pre – Operational Inspection	D	DAILY - Operators must complete	Е		
plant and/or any							Start-up checklist			
attachments?							Operation checklist			
							Parking Checklist			

ALL OPERATORS OF THE PLANT OR EQUIPMENT MUST BE BRIEFED ON THE PLANT HAZARD ASSESSMENT (PHA) PRIOR TO FIRST TIME USE.

ANY RELEVANT CONDITIONS WHICH MAY IMPACT ON THE OPERATION OF THIS ITEM OF PLANT OR EQUIPMENT MUST BE TRANSFERRED TO THE AMS/TRA.

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NOISE REPORT				
Equipment Type:	3T Telehandler	Serial/Asset No.	TELH	N3
Make:	JCB	Model:	532-70	Agri
Test by (print):	Leigh Evans	Date:	16/6/20)
Signature:				
Sound Level Meter Ur	nit Used:			
Manufactures specifie	ed noise level:			dBA
Background level:				dBA
Results - Operator's			dBA	High Idle
(Equipment Operating	j)		dBA	Low Idle
Comments:				
Results - Bystander F				
At 7 metres from side	of equipment – Equip	oment Operating (High	gh Idle)	
Front				dBA
Rear				dBA
Left				dBA
Right				dBA
Comments:				

LIGHTING REPORT					
Test by (print):		Date:			
Signature:					
Lux Meter used:					
Results - Operator's station					
At controls				Lux	
At emergency control				Lux	
In front/over task				Lux	
Left side task				Lux	
Right side task				Lux	
Comments:					
Results – Surroundings:					
Clearly seen by others?		□ Yes	□ No		
Decrease lighting in walkways?		□ Yes	□ No		
Decrease lighting to other workstations?		□ Yes	□ No		
Comments:					

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COMMENTS:	

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