



| RISK ASSESSMENT | | Nature of Safety Subject /Activity: Shovel loader Operation | | FAST SOURCE LTD | |
|-----------------|---|---|---|-----------------|--|
| AUTHORED BY: | Shaun Stephenson | APPROVED BY: | SHAUN STEPHENSON | | |
| POSITION: | Safety Consultant | POSITION: | SAFETY CONSULTANT | | |
| DATE: | September 13 th , 2021 | DATE: | September 13 th , 2021 | | |
| SIGNATURE: |  | SIGNATURE: |  | | |

HAZARD IDENTIFICATION

| HAZARD (VISUAL IDENTIFICATION): | HAZARD TASK: (DESCRIPTION OF ACTIVITY): |
|---|--|
|  | Hazards associated with generally operating shovel loader. |

PERSONS AFFECTED BY THE WORKS

| | | | | | | |
|------------------|-------------------------------|---|-----------------------|---|-------------------------------------|-------|
| PERSONS EXPOSED: | PERSONS CARRYING OUT THE TASK | ✓ | OFFICIAL VISITORS | ✓ | NUMBER EXPOSED: | 5+ |
| | ONSITE STAFF | ✓ | MEMBERS OF THE PUBLIC | | DURATION AND FREQUENCY OF EXPOSURE: | Daily |
| | SUB-CONTRACTORS | | YOUNG PERSONS | | | |
| | DRIVERS | ✓ | OTHER | | | |

RISK EVALUATION










| SEVERITY (S) | Risk Factor (RF) | | | | | | | |
|-----------------|------------------|----|-------------|----|--------------------|----|-------------------------------------|-----------------|
| (6) Multi-fatal | 6 | 12 | 18 | 24 | 30 | 36 | Very high risk | |
| (5) Fatality | 5 | 10 | 15 | 20 | 25 | 30 | Very high risk | |
| (4) Major | 4 | 8 | 12 | 16 | 20 | 24 | High risk | |
| (3) Notifiable | 3 | 6 | 9 | 12 | 15 | 18 | High risk | |
| (2) Minor | 2 | 4 | 6 | 8 | 10 | 12 | Medium risk | |
| (1) Negligible | 1 | 2 | 3 | 4 | 5 | 6 | Low risk | |
| (1) Very rare | | | | | (6) Almost certain | | Medium risk | |
| (2) Remote | | | | | (5) Frequent | | Tolerable: reduce where practicable | |
| (3) Occasional | | | (4) Regular | | | | | |
| LIKELIHOOD (L) | | | | | | | Low Risk | Safe condition. |

| HAZARD: | CONSEQUENCES WITH NO CONTROL MEASURES | Initial risk rating | | | CONTROLS | Present risk rating | | |
|-------------------|--|---------------------|---|----|--|---------------------|---|----|
| | | S | L | RF | | S | L | RF |
| Nearby operatives | Potential for death/injury to operative if hit with shovel loader. | 5 | 4 | 20 | <p>Operatives will be made aware of the dangers of the shovel loader during induction and agree to work in accordance with the risk assessment.</p> <p>Toolbox talks will be used to remind operatives of the dangers of working near plant.</p> <p>No person may approach a working shovel loader until they have signalled the operator and the operator confirmed that it is safe to approach.</p> <p>Operator should lower load when travelling to maximise view of direction they are travelling in</p> <p>When view is restricted another competent operative should assist in signalling the operator</p> <p>Mobile phones are not to be used whilst operating plant, operators should shut off shovel loader before using phones</p> | 5 | 1 | 5 |

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|--------------------------------|---|---|---|----|---|---|---|----|
| Nearby vehicles or other plant | Potential for death or serious injury to operator/driver of shovel loader or operator of other plant if hit with shovel loader. Damage to plant/vehicles | 5 | 3 | 15 | Daily activity brief will be carried out each morning to make operators aware of where plant and vehicles will be working Safe working system in place - vehicles will stop and wait for confirmation from shovel driver before moving on Mobile phones are not to be used whilst operating plant | 5 | 1 | 5 |
| Reversing | Potential for death/injury to operative Damage to plant/vehicles Damage to nearby structures | 5 | 4 | 20 | Shovel loader to be fitted with beacon and reverse alarm. Operator to look in direction of travel | 5 | 1 | 5 |
| Inexperienced operatives | Potential for death/injury to operative | 5 | 4 | 20 | Only trained and experienced operatives to work with/near shovel loader. switch off and remove the keys before leaving the shovel loader unattended. | 5 | 1 | 5 |
| Working at height | Potential for death or serious injury to operator or persons maintaining shovel loader. | 5 | 3 | 15 | Work at height will be avoided where possible. Operators will have CPCS or equivalent operator safety training. Provided steps will be used to enter shovel loader Three points of contact must be maintained at all times whilst entering shovel loader The excavator will be used to transport the operator to a safe point before the operator exits the excavator. | 5 | 1 | 5 |
| Unsecure loads | Potential for death or serious injury to operator and/or other site operatives if shovel loader loses load. Damage to shovel loader Damage to other plant/vehicles Damage to nearby structures | 5 | 4 | 20 | Only trained, certified and authorised persons are permitted to operate shovel loader truck. Ensure SWL for all configurations is clearly marked Operator will check that loads are secure and monitor their stability throughout work. Operator should be reminded of risks from travelling across gradients speeding, travelling with load raised, turning too sharply, incorrect loading of forks and overloading Continual monitoring of the system of work by the site management team | 5 | 2 | 10 |
| Maintenance operations | Potential for injury from working on plant e.g. trapping a person's limbs within moving parts of shovel loader Potential hydraulic injection injury | 4 | 5 | 20 | Only trained and competent operatives will attempt to maintain/repair the shovel loader Safe means of acces will be used to maintain parts of loader that are higher than 2 metres Lifting capabilities will be tested every 12 months in Accordance with LOLER (1998) Shovel loader will be completely isolated and switched off, with the handbrake on before operatives are allowed to work in its immediate vacinity or do maintenance work on it Operative to wear overalls and gloves whilst maintaineinge forklift | 4 | 1 | 4 |

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|------------------------|---|---|---|----|--|---|---|---|
| Poor maintenance | Potential for death or serious injury to operator and/or other site operatives if shovel loader loses load. Damage to shovel loader Damage to other plant/vehicles Damage to nearby structures | 5 | 4 | 20 | Shovel loader will be regularly checked for maintenance issues in accordance with PUWER (1998) and records will be kept Lifting capabilities will be tested every 12 months in Accordance with LOLER (1998) and records will be kept Only trained and competent operatives will attempt to maintain/repair the shovel loader Operator will carry out pre-start checks before commencing operations | 5 | 1 | 5 |
| Slips, trips and falls | Potential for tripping over materials or tools Injury to employees | 3 | 4 | 12 | Designated walkways will be created using physical barriers where reasonably practicable Good housekeeping will be maintained, among operatives; walkways kept clear etc. This will be reinforced with toolbox talks | 3 | 1 | 3 |
| Manual handling | Potential for musculoskeletal injury from manual handling operations. | 3 | 3 | 15 | Operatives will work in accordance with Manual Handling regulations 1992 Operatives will be briefed on the risks of injuries in relation to manual handling during toolbox talks and site induction Mechanical aids used where necessary | 3 | 1 | 3 |
| Unauthorised use | Potential for death or serious injury | 5 | 3 | 15 | Shovel loader operator to remove keys and lock in weighbridge cabin when not in use | 5 | 1 | 5 |
| Refuelling | Potential for crushing operatives harming the environment Skin irritation Fire | 5 | 4 | 20 | Fuel to be stored in locked and banded tanks only Spill kit to be located in immediate proximity to fuel tanks Nitrate gloves to be worn whilst refuelling plant No naked flames around fuelling area Fire extinguishers to be within immediate proximity Shovel loader will be completely isolated and switched off, with the handbrake on before operatives are allowed to work in its immediate vicinity or do maintenance work on it. | 5 | 1 | 5 |

PERSONAL PROTECTIVE EQUIPMENT REQUIREMENT

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| BS EN 397 | BS EN 20345 | BS EN 20471 Class-2 | BS EN 388 | BS EN166 F | BS EN 470 | BS EN 352 | BS EN 140 | - |

Remember: A RISK ASSESSMENT IS ONLY AS GOOD AS EVERYONE CONCERNED PUTTING IT INTO PRACTICE.

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| Monitoring: | <p>The persons responsible for maintaining a safe place of work are:</p> <ul style="list-style-type: none"> • Overall – Director • Implementation, monitoring and arrangements – Supervisor • Shovel loader operator |
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ADDITIONAL INFORMATION

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