

TASK SPECIFIC RISK ASSESSMENT

| | | | |
|---|--|-------------------------------|--|
| Canal: Grand Union Canal, Wendover Arm | Site address: Little Tring, Hertfordshire, HP23 4NR | | |
| Work Location: Infilled canal area & Little Tring Yard | Operation: Excavating/loading tip material & removing from site | RA Sheet No: WATRA S14 | Date Task Starts: 21 st January 2022 |

Likelihood (L):

| | | |
|---|----|--------------------|
| 1 | EU | Extremely Unlikely |
| 2 | U | Unlikely |
| 3 | L | Likely |
| 4 | VL | Very Likely |
| 5 | AC | Almost Certain |

Severity (S):

| | | |
|---|-----|--------------------------------|
| 1 | FAC | First Aid Required |
| 2 | LTI | Lost time injury |
| 3 | >3d | Time off work more than 3 days |
| 4 | MI | Major Injury |
| 5 | F | Fatal |

Risk Value = LxS

Risk Level High / Medium / Low

| | | | | | |
|----|-----|-----|-----|----|----|
| AC | 5 | 10 | 15 | 20 | 25 |
| VL | 4 | 8 | 12 | 16 | 20 |
| L | 3 | 6 | 9 | 12 | 15 |
| UL | 2 | 4 | 6 | 8 | 10 |
| EU | 1 | 2 | 3 | 4 | 5 |
| | FAC | LTI | >3D | MI | F |

This risk assessment references the following COSHH assessments:

Little Tring tip assessment for cabbed excavators (ID# 4424344)

Little Tring tip assessment for non-cabbed excavators (ID# 4424399)

Little Tring tip assessment for banksmen (ID# 4424459)

Risk assessment assumes normal PPE is worn: Safety footwear, hard hat, hi-vis tabard/jacket, work gloves.


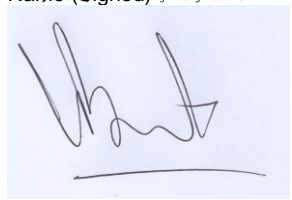
| No. | TASK | HAZARD | WHO IS EXPOSED AND HOW | RISK LEVEL | | | CONTROL MEASURES | NEW RISK LEVEL | | | FURTHER ACTION |
|-----|--|---|---|------------|---|-------|--|----------------|---|-------|----------------|
| | | | | L | S | RV/RL | | L | S | RV/RL | |
| 1 | Loading tip material from above ground pile into dumpers or lorries. | Excavator overturning when on top of pile or when climbing onto pile. | Excavator operator & volunteers or lorry driver nearby. | 2 | 5 | 10 | ROPS cab with seatbelt. Seatbelt safety light fitted. Use only experienced excavator drivers. Keep pedestrians away from excavator when working. | 1 | 5 | 5 | |
| 2 | | Excavator driver falls down pile when entering/ leaving cab. | Excavator driver. | 2 | 4 | 8 | Keep cab steps clean. Use only experienced excavator drivers. Always slew cab so door is away from steep drop before exiting. Documentation signed by banksman not excavator driver. | 1 | 4 | 4 | |
| 3 | | Dumper driver or others hit by bucket or load. | Dumper driver & volunteers/ public nearby. | 2 | 5 | 10 | Use FOPS cabled dumpers. If uncabbed dumpers used, driver must dismount to safe distance. Keep pedestrians away. | 1 | 5 | 5 | |
| 4 | | Lorry driver hit by bucket or load. | Lorry driver. | 2 | 5 | 10 | Lorry driver to stay in cab during loading. Loading over rear of lorry only. | 1 | 5 | 5 | |

| No. | TASK | HAZARD | WHO IS EXPOSED AND HOW | RISK LEVEL | | | CONTROL MEASURES | NEW RISK LEVEL | | | FURTHER ACTION |
|-----|--|--|--|------------|---|-------|---|----------------|---|-------|---|
| | | | | L | S | RV/RL | | L | S | RV/RL | |
| 5 | | Contamination/ ingestion/ breathing in dust/particles of tip material. | Excavator & Dumper drivers & anyone nearby. | 5 | 4 | 20 | Cabbed excavators & dumpers (when available). Keep doors/windows closed. P3 disposable dust masks, eye protection & disposable or impervious overalls for volunteers driving or working outside cab. Cabbed machines: P3 disposable dust masks & keep skin covered. Lorry driver to stay in cab & keep windows closed during loading. Wash hands before eating/drinking. Wash after shift. Maximum 1 hour continuous without rest or rotation to different job. | 2 | 4 | 8 | Damp tip material down if dusty. Disposable dust masks & overalls to be bagged for disposal at end of shift. Non disposable clothing (e.g. waterproofs) to be washed after shift. |
| 6 | | Dust in eyes. | Anyone nearby. | 5 | 2 | 10 | Cabbed excavators & dumpers (when available). Keep doors/windows closed. Lorry driver to stay in cab & keep windows closed during loading. Eye protection to be worn by volunteers outside cabs/mess hut. | 2 | 2 | 4 | Damp tip material down if dusty. |
| 7 | Excavating tip material from canal sides & bed into dumpers. | Digging up tip material that is more hazardous. | Excavator operator, dumper driver & anyone nearby (inc. banksman). | 3 | 4 | 12 | Known more hazardous material taped off 5m away. All volunteers to be vigilant for signs of more hazardous material. Stop work if found. | 2 | 4 | 8 | Develop disposal plans for more hazardous material. |
| 8 | | Dumper driver or others hit by bucket or load. | Dumper driver & volunteers nearby (inc. banksman). | 2 | 5 | 10 | Use FOPS cabbed dumpers. If uncabbed dumpers used, driver must dismount to safe distance. Keep pedestrians to a minimum. | 1 | 5 | 5 | |

| No. | TASK | HAZARD | WHO IS EXPOSED AND HOW | RISK LEVEL | | | CONTROL MEASURES | NEW RISK LEVEL | | | FURTHER ACTION |
|-----|------|--|---|------------|---|-------|---|----------------|---|-------|---|
| | | | | L | S | RV/RL | | L | S | RV/RL | |
| 9 | | Contamination/ ingestion/ breathing in dust/particles of tip material. | Excavator & dumper drivers & anyone nearby (inc. banksman). | 5 | 4 | 20 | Cabbed excavators & dumpers (when available). Keep doors/windows closed. P3 disposable dust masks, eye protection & disposable or impervious overalls for volunteers driving or working outside cab. Cabbed machines: P3 disposable dust masks & keep skin covered. Lorry driver to stay in cab & keep windows closed during loading. Wash hands before eating/drinking. Wash after shift. Maximum 1 hour continuous without rest or rotation to different job. | 2 | 4 | 8 | Damp tip material down if dusty. Disposable dust masks & overalls to be bagged for disposal at end of shift. Non disposable clothing (e.g. waterproofs) to be washed after shift. |
| 10 | | Excavator overturns whilst digging out canal bed. | Excavator operator & anyone nearby (inc. banksman). | 2 | 5 | 10 | ROPS cab with seatbelt. Seatbelt safety light fitted. Use only experienced excavator drivers. Keep pedestrians away from excavator when working. | 1 | 5 | 5 | |
| 11 | | Sides of excavation collapse. | Anyone nearby (inc. banksman). | 2 | 5 | 10 | Sides of excavation to be dug at ~45° to <1m above bottom of excavation. | 1 | 5 | 5 | |
| 12 | | Volunteers working outside get wet/cold. | Any volunteer working outside | 5 | 3 | 15 | Advise volunteers to wear suitable clothing (warm & waterproof). Mess hut available with hot water. Advise volunteers to bring hot drinks. Rotate people between jobs to warm them up. Institute shift system to allow people to go home if wet/cold. | 2 | 3 | 6 | |

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|-----|----------------------------|--|----------------------------------|------------|---|-------|---|----------------|---|-------|---|
| | | | | L | S | RV/RL | | L | S | RV/RL | |
| 13 | | Volunteer falls and comes into contact with tip material. | Any volunteer near tip material. | 3 | 4 | 12 | P3 disposable dust masks, eye protection & disposable or impervious overalls for volunteers driving or working outside cab. Wear gloves. Wash hands before eating/drinking. Wash after shift. Maximum 1 hour continuous without rest or rotation to different job. | 2 | 4 | 8 | Damp tip material down if dusty. Disposable dust masks & overalls to be bagged for disposal at end of shift. Non disposable clothing (e.g. waterproofs) to be washed after shift. |
| 14 | Moving material in dumper. | Dumper overturns whilst turning. | Dumper driver & anyone nearby. | 2 | 5 | 10 | ROPS with seatbelt. Seatbelt safety light fitted. Use only experienced dumper drivers. Keep pedestrians away from dumper when working. | 1 | 5 | 5 | |
| 15 | | Contamination/breathing in dust/particles of tip material. | Dumper driver & anyone nearby. | 5 | 4 | 20 | Cabbed excavators & dumpers (when available). Keep doors/windows closed. P3 disposable dust masks, eye protection & disposable or impervious overalls for volunteers driving or working outside cab. Cabbed machines: P3 disposable dust masks & keep skin covered. Wash hands before eating/drinking. Wash after shift. Maximum 1 hour continuous without rest or rotation to different job. | 2 | 4 | 8 | Damp tip material down if dusty. Disposable dust masks & overalls to be bagged for disposal at end of shift. Non disposable clothing (e.g. waterproofs) to be washed after shift. |
| 16 | | Dust in eyes. | Anyone nearby. | 5 | 2 | 10 | Cabbed excavators & dumpers (when available). Keep doors/windows closed. Eye protection to be worn by volunteers outside cabs/mess hut. | 2 | 2 | 4 | Damp tip material down if dusty. |

| No. | TASK | HAZARD | WHO IS EXPOSED AND HOW | RISK LEVEL | | | CONTROL MEASURES | NEW RISK LEVEL | | | FURTHER ACTION |
|-----|---|---|---------------------------------|------------|---|-------|---|----------------|---|-------|----------------|
| | | | | L | S | RV/RL | | L | S | RV/RL | |
| 17 | | Driver gets wet/cold. | Dumper driver | 5 | 3 | 15 | If uncabbed dumper, advise dumper drivers to wear suitable clothing (warm & waterproof). Mess hut available with hot water. Advise volunteers to bring hot drinks. Rotate people between jobs to warm them up. Institute shift system to allow people to go home if wet/cold. | 2 | 3 | 6 | |
| 18 | Vehicle movements (excavators, dumpers & lorries) | Collision with pedestrian. | Anyone nearby. | 2 | 5 | 10 | Minimum number of volunteers on site. Visitors accompanied & excavators/dumpers stop work if approached. Banksman controls vehicle movements at site gate & vehicle exit/entrance. | 1 | 5 | 5 | |
| 19 | Lorries entering/leaving site entrance. | Lorry collides with vehicle | Lorry driver, passing motorist. | 2 | 5 | 10 | Banksman controls vehicle movements at site gate & vehicle exit/entrance. | 1 | 5 | 5 | |
| 20 | | Lorry collides with pedestrian | Anyone nearby | 2 | 5 | 10 | Banksman controls vehicle movements at site gate & vehicle exit/entrance. Lorries instructed to give way to pedestrians. | 1 | 5 | 5 | |
| 21 | | Banksman hit by passing traffic | Banksman | 2 | 5 | 10 | Banksman trained. Wears hi-vis jacket or vest. Signs warning motorists of lorry entrance/exit. | 1 | 5 | 5 | |
| 22 | | Banksman gets wet/cold | Banksman | 5 | 3 | 15 | Advise banksman to wear suitable clothing (warm & waterproof). Mess hut available with hot water. Advise volunteers to bring hot drinks. Rotate people between jobs to warm them up. Institute shift system to allow people to go home if wet/cold. | 2 | 3 | 3 | |
| 23 | | Banksman contaminated/ breaths in dust/particles of tip material. | Banksman | 1 | 4 | 4 | Banksman at gate ~30m from loading/unloading operations. P3 disposable dust masks if needs to approach loading area. | 1 | 4 | 4 | |

| | | |
|--|--|---|
| CAN THE JOB PROCEED? (Tick one box) | <input type="checkbox"/> | Safe using existing control measures |
| | <input checked="" type="checkbox"/> | Safe using existing + additional control measures |
| | <input type="checkbox"/> | Not safe to proceed |
| ARE THERE ANY LONG TERM CONTROLS? | Carry out a dynamic Risk Assessment when you arrive on site and adapt the Risk Assessment to suit any changes that may have occurred, particularly weather conditions. | |
| ASSESSED BY: | Name: Mike Wright H & S Coordinator | Name (signed) <input checked="" type="checkbox"/> Recoverable Signature X  Mike Wright |
| | | Date: 14/1/2022 |
| AUTHORISED BY: | Name: Chris Bent Acting Operations Director | Name (Signed) <small>right signature</small>  |
| | | Date: 14/1/2022 |

Guidance on Completing a Risk assessment

Part of managing health and safety on site is controlling the risks in the work place. You need to think about what may cause harm to people and decide whether you are taking reasonable steps to prevent that harm. This is known as a risk assessment and is something that you are required to carry out by law.

A risk assessment is not about creating huge amounts of paperwork, but rather about identifying sensible measures to control the risks in your workplace.

Think about how accidents and ill health could happen and concentrate on real risks – those that are most likely and which will cause the most harm.

Definitions

- **Hazard:** Anything that may cause harm, such as chemicals, electricity, working at height or near water, uneven ground, plant and tools.
- **Risk:** The chance, high or low, that somebody could be harmed by these and other hazards, together with an indication of how serious the harm could be

Steps to writing a Risk assessment

For any task or activity to be undertaken;

- ◇ Identify the hazards. Think about the activities, processes or substances that could injure your volunteers or harm their health.
- ◇ Decide who might be harmed and how. For each hazard you need to be clear who might be harmed, volunteers and others not carrying out the task.
- ◇ Evaluate the risks and decide on controls to reduce the risk. How likely is the hazard to cause harm and what would the severity be. What can be done to reduce the risk, you do not need to eliminate the hazard.
- ◇ Record your significant findings. Make a record of the hazards, how people may be harmed and what you have in place to control the risks. Any record should be simple and focused and communicated to everyone involved in the task.
- ◇ Review your assessment and update if necessary. If there have been any significant changes or improvements need to be made. Consult your volunteers. Learn from any accidents or near misses.

Using this Example Risk Assessment

Firstly the heading boxes need to be completed with the details of your site.

The intention of the author is to try to identify all possible hazards for this activity. Not all the items above will apply to your site. You need to consider the hazards that are present on your site and adapt your site specific risk assessment accordingly. You may also need to review the possible control measures and adapt your risk assessment.

The list is not exhaustive. If you identify any additional hazards, risk assess them following the procedure above. Please let the IWA Restoration Hub know of any additional hazards so that this example risk assessment can be updated.