

SUGGESTED EQUIPMENT & SUPPLIES LIST

(Estimated costs are current as of May 2021 and subject to change.)

IMPORTANT!

- Provision of many of the tools listed in this note should be accompanied by proper policies, procedures and instruction. For example, power tools can pose risk to personal safety and should be accompanied by safe work procedures and instruction for staff not familiar with the safe use of the tool.
- First Aid Training should accompany the provision of a First Aid Kit.
- Staff should be trained on the use of a fire extinguisher, etc.
- For more information, consult Safe Work Manitoba (<https://www.safemanitoba.com/>) and the industry stewardship organization responsible for a specific material.

NOTE: These lists are not exhaustive but rather serve as a starting point for information on PPE equipment for landfill, transfer station and 4R facility operators. Needs will vary depending on the types and volumes of materials being handled.

| PERSONAL PROTECTIVE EQUIPMENT (PPE)* | | | |
|---------------------------------------|--------------------------|-----------|--|
| ITEM | QUANTITY | EST. COST | NOTES |
| Steel-toed boots | Per pair | \$200 | |
| Winter work boots | Per pair | \$250 | |
| Winter work jacket & pants – option 1 | Set | \$350 | High visibility (sufficient if not handling chemicals or flammables) |
| Winter work jacket & pants – option 2 | Set | \$500 | High visibility, chemical and fire resistant |
| Rain jacket and pants | Pair | \$200 | |
| Summer coveralls | Each | \$200 | |
| Single-use Tyvec suit | Box of 25 | \$200 | |
| Safety vest | Each | \$30 | High visibility |
| Hard hat | Each | \$30 | |
| Gloves (multiple kinds) | Approx. one year's worth | \$340 | PVC (chemical resistant), nitrile, cotton, leather gloves |
| Safety glasses | Per pair | \$25 | |
| Safety goggles | Per pair | \$25 | |
| Ear protection – ear plugs | 100 pairs | \$120 | Single use |
| Ear protection – ear muffs | Each | \$30 | Reusable |
| TOTAL PER OPERATOR | | ~\$2,000 | |

*The level of personal protective equipment (PPE) required for staff will depend on the job being performed.

| HEALTH AND SAFETY | | | |
|---------------------------------|----------------------------|------------------|--|
| ITEM | QUANTITY | EST. COST | NOTES |
| First aid kit | 1 large | \$50 | |
| Portable eye wash kit | 1 | \$100 | |
| Self-contained eye wash station | 1 | \$800 | Includes reservoir and does not require water hookup. If there is water hookup, cost is \$500. |
| Drinking water | | -- | Refillable jug if no water hookup |
| Hand washing water | | -- | |
| Hand cleaner | 4L jug | \$25 | |
| Fire extinguishers | 2 – 10 lb. cannisters | \$250 | |
| Water pump pack | Each | \$300 | |
| Methane detector | 1 | \$100 | |
| Bear spray | 2 cannisters | \$120 | |
| Spill kit | 1 large + 1 travel size | \$600 | |
| Granular absorbent | Per bag | \$30 | Can use cat litter or wood chips |
| Absorbent pads | Per package | \$75 | |
| Protective apron | Each | \$30 | |
| Fire proof container | 1 | \$50 | For oily rags |

| TOOLS AND EQUIPMENT | | | |
|----------------------------|-----------------|------------------|--|
| ITEM | QUANTITY | EST. COST | NOTES |
| Shovels | 3 | \$150 | 2 small square shovels and 1 for snow clearing |
| Broom and dust pan | 2 sets | \$100 | |
| Duct tape | 6-roll pack | \$75 | |
| Floor squeegee, mop & pail | | \$75 | For concrete floor clean-up |
| Degreaser floor cleaner | | \$25 | For concrete floor clean-up |
| Shop rags | 20 lb bag | \$20 | |
| Plastic pail lid opener | Each | \$50 | |

| | | | |
|---------------------------------------|---------|---------|--|
| Drum bung wrench | Each | \$25 | |
| Drum dolly | Each | \$100 | |
| Power tools | Various | \$450 | Such as Ryobi 6-tool combo with drill, driver, impact driver, reciprocating saw, circular saw, work light |
| Hand tools | Various | \$300 | Such as hammer, pliers, wire cutters, exacto knives, screwdriver set, wrench set |
| Wheelbarrow | 1 | \$150 | |
| Shrink wrap | | varies | |
| Pallets | | varies | May be possible to find used pallets locally |
| Tote bags | | varies | Check for used tote bags |
| Pallet jack | | \$500 | Ensure pallet jack chosen will work outdoors in cold weather if needed |
| Skid steer | | varies | Should include pallet jack and bucket |
| Heavy equipment to compact waste cell | | varies | Such as a dozer |
| Sea containers to store materials | | varies | Basic container currently (spring 2021) costs around \$7,500. Depending on planned use of the sea container, modifications may include non-slip flooring, insulation, vandal-proof windows for ventilation, and additional doors. Consult with the industry stewardship organization for the specific materials being stored. Cost for a modified sea container varies from \$15,000-\$20,000. |
| Chain & padlock to secure sea can | 1 each | \$65 | |
| Pad preparation for sea container | | \$3,000 | Cost will vary for gravelling and levelling the pad site |
| Remote communication | | varies | Such as satellite phone or cell phone booster |

*See the links for specific material streams for supplies needed. Some supplies not listed here are provided by the industry stewardship organizations.

| OPERATOR SHED AND WASHROOM* | | | |
|------------------------------------|-----------------|------------------|--|
| ITEM | QUANTITY | EST. COST | NOTES |
| Desk | 1 | \$125 | |
| Chairs | 3 | \$60 | |
| Shelves | 1 | \$60 | |
| Filing cabinet | 1 | \$70 | 2-drawer |
| Office supplies (per year) | Multiple | \$140 | Pens, calculator, notebooks, file folders, binders |
| Coffee maker, kettle | 1 each | \$80 | |
| Microwave | 1 | \$100 | |
| Mini-fridge | 1 | \$150 | |
| Washroom / Port-o-potty | 1 | \$1,000 | Alternative is a composting toilet, such as Nature's Head at \$1,500 |

*The operator shed/trailer must be insulated and heated. Water supply is strongly encouraged to allow an eye wash station, drinking water and hand washing. Suggested size is 400 sq ft (minimum 200 sq ft).

It is important to provide a locker or somewhere for staff to change at the start and end of the day, especially for workers who come into contact with hazardous material. This helps to ensure the workers are not exposing their family, vehicle or home to any contaminants they were in contact with that day.