|  |  |  |  |
| --- | --- | --- | --- |
| **Task undertaken:** | Container Stack Heights |  **Date:** |  29 June 2021 |
| **Location:** | Tyne CS - MT Movements -Gate B54 Port Botany NSW |  |
| **JSEA conducted by:** |  |  |  |
| **Assessment undertaken: [x]  -** Risk Assessment **or** [ ]  **-** Safe Work Method Statement |

|  |  |
| --- | --- |
| **POTENTIAL HAZARDS** | **PERMITS/ CHECKLISTS** |
| **Health and Safety** | **Environmental** |
| **[ ]**  | **Biological** | **[ ]**  | **Hot Work** | **[ ]**  | **Remote/isolated work** | **[ ]**  | **UV exposure** | **[ ]**  | **Air Emissions** | **[ ]**  | **Hazardous Chemicals** | **[ ]**  | **Confined Space** |
| **[ ]**  | **Confined Space** | **[ ]**  | **Ladders** | **[ ]**  | **Repetitive actions** | **[ ]**  | **Work at heights** | **[ ]**  | **Asbestos** | **[ ]**  | **Hazardous waste** | **[ ]**  | **Hot Work** |
| **[ ]**  | **Electrical hazards** | **[ ]**  | **Manual Tasks** | **[ ]**  | **Slippery surfaces** | **[ ]**  | **Working with/near crane** | **[ ]**  | **Breach of Licence** | **[ ]**  | **Leachate** | **[ ]**  | **Manual Tasks** |
| **[ ]**  | **Ergonomics** | **[ ]**  | **Noise** | **[ ]**  | **Suspended loads** | **[ ]**  | **Working with / near plant** | **[ ]**  | **Dust** | **[ ]**  | **Odour** | **[ ]**  | **Permit to Work** |
| **[ ]**  | **Excavation** | **[ ]**  | **Non skilled worker** | **[ ]**  | **Temperature extremes** | **[x]**  | **High Wind** | **[ ]**  | **Explosion – dust/fines** | **[ ]**  | **Radioactive waste** | **[ ]**  |  |
| **[ ]**  | **Fatigue** | **[ ]**  | **Plant – moving parts** | **[x]**  | **Traffic Management** | **[x]**  | **Falling Containers** | **[ ]**  | **Gas** | **[ ]**  | **Release to storm water** | **[ ]**  |  |
| **[ ]**  | **Flammable materials** | **[ ]**  | **Reduced visibility** | **[ ]**  | **Trip Hazards** | **[ ]**  |  | **[ ]**  | **Groundwater Contamination** | **[ ]**  |  | **[ ]**  |  |

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Q:\Training\Images\Symbols\Dust.jpg | Q:\Training\Images\Symbols\Ear.jpg | Q:\Training\Images\Symbols\Eye.jpg | **Q:\Training\Images\Symbols\Foot.jpg** | **Q:\Training\Images\Symbols\Hand.jpg** | **Q:\Training\Images\Symbols\half face respirator.JPG** | **Q:\Training\Images\Symbols\Vest.jpg** | **Q:\Training\Images\Symbols\Head.jpg** | **Q:\Training\Images\Symbols\Body.jpg** | **Q:\Training\Images\Symbols\Face Welding.jpg** | **Other:** **(please specify)** |
| **[ ]**  | **[ ]**  | **[ ]**  | **[x]**  | **[x]**  | **[ ]**  | **[x]**  | **[ ]**  | **[ ]**  | **[ ]**  | **[ ]**  |

|  |  |  |  |
| --- | --- | --- | --- |
| **PLANT & EQUIPMENT USED DURING TASK** | **Current WI / MAN available** | **LIST OF CHEMICALS USED DURING TASK** | **Current SDS available** |
| **Empty Container Handler - Forklift** | **[ ]**  | **N/A** | **[ ]**  |
| **SOP 1, 4 and 5** | **[ ]**  |  | **[ ]**  |
|  | **[ ]**  |  | **[ ]**  |
|  | **[ ]**  |  | **[ ]**  |
|  | **[ ]**  |  | **[ ]**  |

|  **RISK IDENTIFICATION** |
| --- |
| **Steps****Task & Environment Assessed** | **Safety / Environmental Risk and Hazards**  | **Inherent****Risk****Level** | **Control Measure’s implemented** | **Residual****Risk****Level** | **Person Responsible** |
| Empty container stacking heights. | **Hazard:*** Containers falling if they are not stacked correctly.
* High Wind Events.

**Existing Risk Control:*** Wind monitor has been Installed.
* Siren installed for high wind events.
* Annual calibration on the wind monitor tower.
* Wind monitored in real time.
* When stacking containers on hard stand surfaces, ensure they are stacked no higher than as follows: -
	+ 40ft Containers – maximum of six - (7) containers high
	+ 20ft Containers – maximum of six - (7) containers high
	+ 40ft High Cube Containers – maximum of six - (6) containers high
	+ 20ft High Cube Containers – maximum of six - (6) containers high
 | High | * The current container stacking plan shows a maximum of 7 high, with pyramid stacking (from 2 high) on northern and southern boundaries. Stacks on the western boundary to be stacked at maximum of 5 high.
* The SOPs 1, 4 and 5 are in place.
* Ensure all employees are trained on SOP 1 Container Loading and Unloading, SOP 4 Empty Container Handler Operations and SOP 5 Weather Monitoring and Container Park Securement.
* Continue to monitor the weather conditions and lower the containers as required based on the severity of risk.
* Any stack “leans” to be restacked immediately.
* Lower stacks in high winds as per Wind SOP #5. Single stacks must always be made safe asap.
* Complete and record Last shift checks before closing and leaving the site.
 | Medium | Depot Manager. |
| Environmental Amenity | Container stack height impacts the environmental amenity for nearby commercial sites users and residents. | High | Containers not to be stacked higher than the maximum container stack heights allowable. | Medium | Depot Manager |
| Environmental Amenity | Traffic issues caused by site operations impact the amenity to nearby commercial site users and motorists.  | High | Ensure all loading and unloading activities are undertaken wholly within the site boundary.Ensure that all vehicles entering or exiting the site do so in a forward direction.Actively manage the truck rank by physically directing the traffic on site. | Medium | Depot Manager |
|  |  |  |  |  |  |
|  |  |  |  |  |  |

**Risk Assessment Model**

|  |  |  |  |
| --- | --- | --- | --- |
| **Risk Level** | **Description of consequence or impact** | **Consequence** | **Likelihood/Probability** |
| Unlikely (1) | Possible (2) | Almost Certain (3) |
| **Low**Level of harm | Incident that has the potential to cause persons to require first aid. Environmental discharge/release immediately contained, minor level clean-up with no short-term environmental harm. | Minor (1) | Low(1) | Low(2) | Medium(3) |
| **Medium**Level of harm | Actual/Potential temporary disability, MTI or LTI. Structural failure/damage, >1-day outage. On-site environmental discharge/release contained, minor remediation, short-term environmental harm. | Moderate (2) | Low(2) | Medium(4) | High(6) |
| **High**Level of harm | Actual/Potential fatality, disability or irreversible damage. Major structural failure/damage. Off-site environmental discharge/release not contained and significant long-term environmental harm. | Major (3) | Medium(3) | High(6) | High(9) |
| **Level** | **Likelihood/Probability** |
| Almost Certain | Occurs frequently; >66% chance of occurring |
| Possible | Could happen occasionally; >33% but <66% chance of occurring |
| Unlikely | May occur only in exceptional circumstances; <33% chance of occurring |
| **Class/Ranking** | **Description/Requirements** |
| Low 1, 2 | Will require localised control measures. |
| Medium 3, 4 | Will require operational planning. Actions will be recorded on SWMS. |
| High 6, 9 | Stop immediately. Implement permanent Preventive controls. Will require detailed pre-planning. Actions will be recorded on a SWMS. |

|  |
| --- |
| **TRAINING, QUALIFICATION & LICENCES REQUIRED TO COMPLETE WORK** |
| National Licence to Perform High Risk Work Class: - LF - Forklift |
|   |
|   |
|  |
|  |
| **ADDITIONAL COMMENTS & REQUIREMENTS** |
| Induction to SOP#s 1, 4 and 5 |
|  |
|   |
|  |

|  |
| --- |
| **IDENTIFICATION OF TASK RISK MANAGEMENT AND REVIEW** |
| **[ ]**  | **Non -Routine Task** - this task is a one-off occurrence |
| **[x]**  | **Routine Task** - this task is undertaken on regular basis  | Task / Risk and hazards identified must be included in the Site Risk Register  |

|  |
| --- |
| **REVIEW** |
| **Date** | **Reviewed by** | **Relevant changes & modifications made to SWMS OR Risk Assessment**  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
| **SIGN-OFF****Manager or Authorised Representative** |
| **Reviewed by Manager or Authorised Company Representative:**On review of the information supplied in this form the work is authorised to proceed **Name: \_\_\_\_\_\_\_Rohen Drury\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Signature:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_****Name: \_\_\_\_\_\_\_Aaron Powell \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Signature:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**  |
|  |
| **SIGN-OFF****Worker** |
| **By Signing below you agree that you have READ and UNDERSTOOD this SWMS and the hazards and risks relevant to this task and AGREE TO COMPLY with all controls identified.** |
| **Full Name** (Please PRINT name clearly) | **Signature** | **Date** |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |