

Job planning form for Rope Access Operations

Level 3 to complete all shaded sections

Site and company details

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Date / job length	09/03/2014
Client details	Ecocem Ireland Ltd, South Dock, Pigeon House Road, Ringsend Dublin 4

Brief description of work

Details of task being undertaken	Remove soft cement build up and clean bottom part of cement silo. Approximately 230 m3.
Location (include type of structure/ cliff and location of task on it)	Metal cement silo, work at confined space inside of silo
Height	27-30m
Access method (e.g. straight drop, aid, tensioned lines)	Entry and egress from top of silo via 600-700mm round hatch. At later stage of work, another hatch entrance will be available at the side of silo.
Communication methods/ emergency contact details	Using 5 x two way UHF radios
Permit to work requirements	Confined Space Permit to work required

Anchor selection

Structure or substrate used for anchors (Inc. min. strength requirements)	At the center of the top of the silo, 1,2 - 1,5m in diameter structure anchor available, min. strength more than 15kN
Equipment used to connect to structure or substrate (Inc. any test requirements)	Using wire anchor slings around structure anchor. Test not required. Then use short ropes for extensions, and 2m wire anchor slings again, at the small access holes for lowering ropes inside silo. Keep knots and connectors inside.

Rigging & emergency planning (attach sketch if applicable)

Describe the plan to access the worksite	Use stairs and ladder access to get up to top of silo. Then access via access hatch at top of silo. Descend down, then rope to rope transfers around silo inside.
Describe the plan to evacuate the worksite (Inc. in an emergency)	At early stage of work, evacuation via access hatch at top of the Silo, then use access ladders and stairs to the ground level. At later stage of work via side hatch at the bottom of silo to access platform, then using stairs to the ground.

Describe the plan to rescue incapacitated technicians	Rescue via top hatch using counterbalance rescue system using Tripod and pulley system or via side hatch using lowering Rescue system.
Rigging requirements (e.g. detail rig-to-rescue system if used, or rigging method & rescue kit)	Tripod at top of access hatch with pre-installed two hauling counterbalance rescue ropes and two 50 kg rope bags hanging outside of the silo. Rescue kit: 2 x 100m ropes, Tripod, 4 rescue pulleys, two 50 kg rope bags, one Pro-Traxion Pulley, 10 x connectors, First Aid kit, 4 x 1m wire anchor slings.
Team size & levels required	1 x Level 3 Rope Access Safety Supervisor , 1 x Level 2, 3 x Level 1's
Role and location of technicians	1 x Level 3 Rope Access Safety Supervisor/standby at top of the silo, 1 x Level 2, 3 x Level 1's inside of the silo.
Emergency equipment required	4 x 15 Min BA sets, head torches.
Hazard identification, avoidance and rope protection	
Hazards identified on or near to path of ropes	Work in confined spaces, Work at height, Working at height, Rescue and evacuation, Lifting a load, Working at height, dropped objects, Work with Chemicals, Cement Dust, Fire, Slips Trips, Sharp edges.
Method used to protect technicians against identified hazards	Work in confined spaces follow code of practice and procedures. Work at height follow IRATA ICOP, use dual protection system. Use proper planning and pre-installed rescue system. Do not lift any heavy loads. Do not use any unsecured objects at height. Use proper full face masks and proper PPE to protect from Chemicals and cement dust. Do not do any hot work without permit to work. Good housekeeping at top of the Silo.
Method used to protect ropes against identified hazards	Use wire anchor slings at Sharp edges, avoid contacts of ropes with metal surfaces.
Additional equipment required	O2 Analyzers, Led cold 110v lights and extension lid.
Third party protection (other workers and the public)	
Exclusion zone requirements	At top of the silo, near anchor area, at the side hatch, around access platform. At entry to confined spaces.
Dropped object control measures	Use rope bags for small items, Use lanyards for big tools. Do not use any loose unsecured equipment.
Equipment / materials required for exclusion zone, lanyards etc.	Barricade signal tape, safety signs "Stop, Rope Access Anchor Area" "Stop, Confined Space Entry".

Task specific requirements		
Other personnel certification requirements	IRATA Rope Access certification, Work at confined spaces, Use BA sets Training.	
Other equipment, materials and/ or plant required for task		
Safe handling precautions for tools and materials		
Acceptance by work team of the work method and the rescue plan		
Name	IRATA number	Signature

For guidance when completing this document, technicians should refer to the following:

- *IRATA ICOP*
- *IRATA Safety bulletins*
- *Equipment manufacturer’s user instructions*