

JOB: Electric Mountain Visitor Route

**RISK ASSESSMENT
First Hydro Company**

RA No. **E.M. Visitor No1**

Assessor:- **B Owen**
Date: - **11 March 2019**
Issue No.:- **1**
Checked by: - **Ana Gaete Jones**

Manager:-**Electric Mountain Visitor Centre**

Location:- **Visitor Route**
Review date:-**Risk assessment reviewed in line with operations and outages. This assessment includes the temporary buildings situated in the Electric Mountain car park, where the tour begins and ends due to the refurbishment work of the visitor centre.**

Comments/Additional Information:-
This Risk Assessment covers the area of the plant and Viewing Gallery at Dinorwig that forms the Electric Mountain visitor route. The tour is now managed using smaller mini buses and one person acting as a driver/guide. The tour party no longer walk up the stairs from the MIV to the Pump Turbine, but are now driven in the mini bus to each location. The final risk rating is 6 which is classed as a low risk.

HAZARD	H _{rating} NO ACTION	PEOPLE AFFECTED	CONTROLS	H _{rating} RESIDUAL	EXTRA ACTIONS	H _{rating} FINAL
Noise	10	Tour Party and Driver/Guide	Carry out the detailed description of the plant whilst the tour party is on the bus Ear inserts are available on request	4	Shorten the duration of the tour if exposure to noise is excessive	2
Lighting in the stairwell between the MIV and Pump Turbine	12	Tour Party and Driver/Guide	Driver/ guide to Check that light switches are on	6	Inspection of the stairwell lighting by the tour guide	3
Floor gratings	6	Tour Party and Driver/Guide	Avoid walking on gratings	3	Report any loose gratings Wear sensible footwear	3
Overhead Demag cranes	12	Tour Party and Driver/Guide	Production/Maintenance Department to move Demag cranes away from Pump Turbine No1 end	6	Restrict tour access when Unit 1 Pump Turbine is being maintained	3
Access to restricted plant areas	12	Tour Party and Driver/Guide	Inform the tour of the boundaries of the visitor route Keep plant access gates shut at all times Barriers and warning signs posted	6	Monitor the number of tour visitors at the Pump Turbine viewing area. Driver/Guide to check the security of all gates in the Pump Turbine No1 area.	3

Tour bus vehicle movements	20	Tour Party and Driver/Guide	Make sure all passengers are seated and seat belts being used before moving the tour bus vehicle	10	Station and all other vehicles to observe red and flashing amber lights in the access tunnel adjacent to the Viewing Gallery, which operate during part of the tour	2
Falling objects	12	Tour Party and Driver/Guide	FHC Maintenance Department to inform E.M. when there is overhead crane maintenance in operation in the MIV All members of the tour to wear the provided hard hat head protection	8	Obtain bump caps for smaller children to wear on the tour	4
Slips Trips Falls	12	Tour Party and Driver/Guide	Inform the members of the tour that walking surfaces may vary. Also that they are entering a working environment, and that suitable footwear should be worn	6	Report any spillages or defects to the Maintenance Supervisors	3
Emergency situation involving members of the tour party	12	Tour Party and Driver/Guide	Tour driver/guide trained in emergency procedures FHC-SMP-145 Visits to Dinorwig	8	Additional assistance available from FHC Production staff	4
Unsupervised children	20	Parents, Tour Party and Driver/Guide	Inform parents that their children must be closely supervised at all times whilst on the tour.	10	Driver/Guide to liaise with parents during the tour if there are concerns about their children's supervision	2
Claustrophobic conditions	9	Tour Party and Driver/Guide	Tour organisers to inform members of the public that they may encounter feelings of claustrophobia whilst on the tour	6	Tour guides to liaise with any affected individuals	3
Person becoming detached from tour group	20	Tour Party and Driver/Guide	Driver/Guide to inform persons what to do in the event that they become detached from the tour party	8	Monitor the number of tour visitors at the Pump Turbine viewing area	4
Person feeling unwell during the tour	12	Tour Party and Driver/Guide	Driver/Guide trained in emergency procedures FHC-SMP-145 Visits to Dinorwig	6	Additional assistance available from FHC Production staff	4
Pregnant Women	12	Tour Party and Driver/Guide	Inform expectant mothers that the tour may involve walking up stairs and that they may encounter noisy conditions	8	Driver/Guide to monitor persons during the tour	4

Maintenance items	9	Tour Party and Driver/Guide	Inform tour party of items in the MIV loading bay Make sure temporary barriers are in place	6	Driver/Guide to monitor persons during the tour	3
Oil spill	9	Tour Party and Driver/Guide	Inform Control Room of spill	6	Inform visitors to take extra care and guides to monitor persons in the area. Inform the Day Maintenance Department of any oil spills and the need to remove pads after use	3
Visitor with a pre-medical condition unable to wear tour provided head PPE	9	Tour Party and Driver/Guide	Visitor centre made aware of condition prior to the tour. Person to provide a suitable alternative.	6	Person to be allowed on the tour without PPE at the discretion of the Electric Mountain duty manager. Liaise with the QEHS Department prior to tour where possible.	3
Risk of falling objects when the tour has to relocate to Unit 6 end of the MIV	9	Tour Party and Driver/Guide	Visitor centre made aware of the alternative tour route	6	Driver/Guide and passengers to wear hard hat protection at all times when outside the tour bus	3
Temporary buildings in the Electric Mountain car park. Tour start and finish point	9	Tour Party and Driver/Guide Members of the public	New signage installed to indicate a change of direction for all vehicles entering and leaving the car park.	6	Suitable segregation installed between public and vehicles	3
Adverse weather conditions leading to slips trips and falls	9	Tour Party and Driver/Guide Members of the public Electric Mountain staff	Anti slip flooring installed on access / Egress points into the temporary buildings. Suitable handrails installed	6	Individuals to decide on their choice of clothing	3
Tour Driver/Guide becomes unwell and unable to continue with tour	12	Tour Party and Driver/Guide	Electric Mountain staff to set up suitable emergency action plan to assist the driver/guide	9	Electric Mountain staff to contact the Dinorwig Control Room for assistance.	6