

Hazard Assessment  
By D.R.(Dan) Moon, CSO  
November 14, 2003

To whom it may concern:

Attached is a copy of a risk assessment done on the Hex-Hut Shelter System. My overall opinion of this system as I observed it in use and through conversations with welders and workers is that the Hex-Hut Shelter System provides a very safe and environmental friendly system. By following the instructions that are provided with every system and a demonstration from the designer, you should run into no problems with this system.

The cost of the Hex-Hut Shelter System would have to be discussed with the designer, however from what I observed with less equipment needed, less chance of injuries to workers, (less down time) and less rework to the land in reclamation, would be a cost savings in themselves.

Should you have any questions or concerns as to this report, please contact me.

Thank you,

D.R. (Dan) Moon, CSO  
Corporate Manager Health & Safety

**Assessment Form**

**Date: November, 2003**

**Location: Cold Lake District**

**Objective/Scope of Work: Assessment on Hex-Hut Shelter System**

<b>Risk</b>	<b>Hazards</b>	<b>Precautions</b>	<b>Risk</b>
16	Breathing Air Contamination (ventilation)	The ventilation is controlled by the welder/worker. Through the adjustment of the wall panels. A small chimney in the center of the roof panels draws the fumes/smoke up & up.	6
16	Congestion	The size of the Hex-Hut is more than sufficient for two workers. The walls are flexible (not rigid) therefore can be moved as need be due to piping or ground conditions	6
16	Electrical Shock	The Hex-Hut is designed to be put up /taken down or moved without the use of equipment. This reduces the chance of any contact with over-head power lines. The Hex-Hut is physically not tall enough that will stand up to reach the line.	11
16	Pinch or Crush	The overall design of the Hex-Hut is such that there are no pinch points. The only possible pinch point that was noted was the clamping of the support to the pipe; proper use of the securing straps will mitigate this. ; The Hex-Hut is assembled at a good Ergonomic height, there is no need to reach, hyperextend, or put oneself in an unbalanced position. The weight and design of the Hex-Hut mitigates the crush factor. The Hex-Hut is put up, taken-down, and moved without the aid of equipment. By doing this we eliminate the energy source of motion, which is getting caught in or between equipment, or struck by or against it.	6
14	Operability	Due to the size, weight, & design of the Hex-Hut it can be used in some unique situations. When a pipeline is parallel to another line, the center of the Hex-Hut will still be center of the pipe that is being worked on. (Hard wall tents need to be shifted side to side, encroaching on the workspace). Two persons can move the Hex-Hut along the line, joint to joint, take down, move, and set up in 5-10 minutes depending on the terrain. The Hex-Hut is designed in such a way that it provides very good natural lighting. Should portable lights be required they can be attached very easily.	6
14	Environmental	By reducing the need for equipment to move, or set up the Hex-Hut, we reduce the amount of ruts and soil erosion. The space required for the Hex-Hut to be used could also reduce the size of the R.O.W. Less bush to knock down, less reclamation required, less fuel emissions.	6
16	Slip-Trip-Falls	Total weight of the Hex-Hut is 85 lbs. Two people can handle it easily. No need to go up on the top to hook up to boom which eliminates a fall.	6
	Remember the seven "P's" PROPER, PRIOR, PLANNING, PREVENTS, POOR, PERSONAL, PERFORMANCE	<b><u>FINAL RISK INDEX</u></b>	<b>11</b>