

# Preliminary Environment Review (PER) – Institute of Applied Technology and STS School

In October 2011 EDESSA was commissioned by the **Institute of Applied Technology**, to prepare a **Preliminary Environmental Review** (PER) for their new academic complex to be constructed in Al Ain, Emirate of Abu Dhabi.

This study was prepared in-line with the **Environment Agency-Abu Dhabi** requirements detailed in the "Technical Guidance Document for Preliminary Environmental Review (PER)" published in April 2010.

The objective of carrying out the PER was to document the current baseline conditions and to identify and evaluate the potential impacts and their classification or effects of the said project on the physical, chemical, biological, cultural, and socioeconomic components of the environment.



Potential Issue	Evidence/Signs	Likelihood	Impact	Risk Level	Corrective Actions / Control Measures
Release of fuel/oil from machinery	<ul style="list-style-type: none"> <li>Oily sheen on ground</li> </ul>	M	H	H	<ul style="list-style-type: none"> <li>Remove source, use absorbent booms, to remove oil and make repairs as required</li> <li>Store containment materials and contaminated soils in an isolated storage area for collection by an EAD/ADWMC approved ESP</li> </ul>
Spill of hazardous materials	<ul style="list-style-type: none"> <li>Olfactive signs of spillage</li> <li>Visual signs of spill</li> </ul>	L	L	L	<ul style="list-style-type: none"> <li>Identify source, stop leak, use absorbent booms, to remove spilled materials and make repairs/changes as required</li> <li>Store containment materials and contaminated soils in an isolated storage area for collection by an EAD/ADWMC approved ESP</li> </ul>
Fire	<ul style="list-style-type: none"> <li>Smoke smell</li> <li>Visual signs of fire</li> </ul>	M	M	M	<ul style="list-style-type: none"> <li>Clear the site / building</li> <li>Identify source of fire, retain and extinct immediately, assess damages and repair</li> </ul>
Onsite accident	<ul style="list-style-type: none"> <li>Injured personnel / student</li> </ul>	M	H	H	<ul style="list-style-type: none"> <li>Perform first aid</li> <li>Transfer personnel/student to the nearest health care centre</li> </ul>
Excessive dust	<ul style="list-style-type: none"> <li>Dust onsite and/or off-site</li> </ul>	H	L	H	<ul style="list-style-type: none"> <li>Increase wetting of stockpile surfaces &amp; cover</li> <li>Minimize exposed surfaces</li> <li>If required cease dust-generating activity until better dust control can be achieved</li> <li>Install additional dust deposition gauges to monitor effectiveness of dust controls implemented at the site</li> </ul>