

## ENVIRONMENT, HEALTH AND SAFETY

### SUSTAINABILITY DEPARTMENT

#### CIRCULAR: EHS/GB/02/12

**TO :** All Business Units Of Dubai World, Their Clients , Green Building Consultants, Architectural & Engineering consultants, Contractors and relevant stakeholders

**SUBJECT :** Green Building Regulations – Warehouses and Industrial Developments  
**REVISION**

**DATE :** 9 April 2012

Greetings from EHS!

Trakhees-EHS (Environment, Health and Safety), the regulatory arm of PCFC (Ports, Customs and Free Zone Corporation) rolled out its Green Building Regulation for Warehouse and Industrial Developments in December 2011.(Circular EHS/GB/03/11 dated 15 December 2011.)

While this new regulations which was developed after due deliberation with the stakeholders, adequately reflected the urgent needs of this segment of the built environment, there was a firm commitment on the part of EHS to subject them to a meticulous review in the course of the regulatory process and be receptive to the views and thoughts of the community actively involved with the regulations.

In the light of that approach, EHS set on the task of a careful introspection of the entire submission process in terms of quality, understanding and compliance, in addition to any potential gaps that have to be filled for better acceptance. The outcome of such an exercise led the following modifications / revisions to the regulations as highlighted under.

S.No	Description	Changes / Modifications
1	Section B. Thermal Insulation	Table 1 Envelope section of the Annexure has been modified to provide clarity on Non-Conditioned warehouse spaces. Specific envelope requirements have been outlined
2	Section B Thermal Imaging	The fact that Thermal Imaging is essential for <u>Conditioned spaces</u> has been reflected in the “requirement / Criteria” section of the regulation.
3	Section B Energy Recovery Units	It has been clarified that the ERVs should be used after suitable assessment of the capacity and its relevance to the project and that this depends on the type and capacity of HVAC systems.

4	Section B Interior Lighting levels	Submission requirements have been slightly adjusted to require comparative LPD tables (EHS and design case)
5	Section B Energy Simulation / Modeling	Requirement of the output from the Visual DOE / software has been insisted under the section "Evidence Required at Design Stage NOC-BP"
6	Section D Thermostat	Basic functionality (timer control) has been explained for greater clarity.
7	Section D Occupancy/Motion sensor	Explanation has been provided on the compliance requirements to encourage a proper assessment of the relevance of this requirement to the project prior to implementation. This is to maximize value.
8	Section F Use of Ozone friendly materials	The term "The use of R22 is discouraged" has been added for clarity.

The Regulation GB 6.0 Rev01 can be downloaded from the "Green Building" section of our portal [www.ehss.ae](http://www.ehss.ae)

The Introduction of the Regulation GB 6.0 for warehouses and industrial developments, has led to a visible transformation of the very engineering approach to these developments in terms of sound design criteria.

EHS-Trakhees is committed to providing quality regulatory services to our business units and clients in protecting the environment, human health and safety. As always, we look forward to your cooperation, support and a very successful working relationship.

Should you have any queries, please feel free to approach the Green Buildings department or contact us at [EHS.GreenBuilding@trakhees.ae](mailto:EHS.GreenBuilding@trakhees.ae)

Regards,

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