PLAINTIFF'S EXHIBIT
UC-1836

INTERNAL CORRESPONDENCE

UNION CARBIDE CORPORATION

P. O. BOX 3370, BROWNSVILLE, TEXAS 78520

COATINGS MATERIALS DIVISION

To (Name) K. G. Townsend

Company

Location Brownsville Plant

Date October 2, 1980

Originating Dept.

Answering letter date

Subject Heat Stress Survey

Copy to

These are the results of the heat stress survey taken last month. Also included is the permissible heat exposure threshold limit values as recommended by the American Conference of Governmental Industrial Hygienists. A few explanations are needed to clarify the TLV table:

1. Heavy work (as defined) is rarely encountered; most work is light to moderate.

2. For the work-rest regimen percentage, it is assumed that the same WBGT temperature exists. If the rest area is cooler the body needs less time to return to normal.

3. Normal temperatures (ambient) during the summer averages over 86°F WBGT.

4. The workers are well acclimatized..

5. Fresh cold water is available at all work locations.

6. The workers are allowed to pace themselves and take breaks as needed.

7. We have never had a recorded case of heat exhaustion or any other dispensary case directly related to heat.

8. In this area we normally have winds which average in speed above 10 MPH. Under these conditions the removal of the solar load does much to make the workplace more comfortable.

Let me know if you need further data or information.

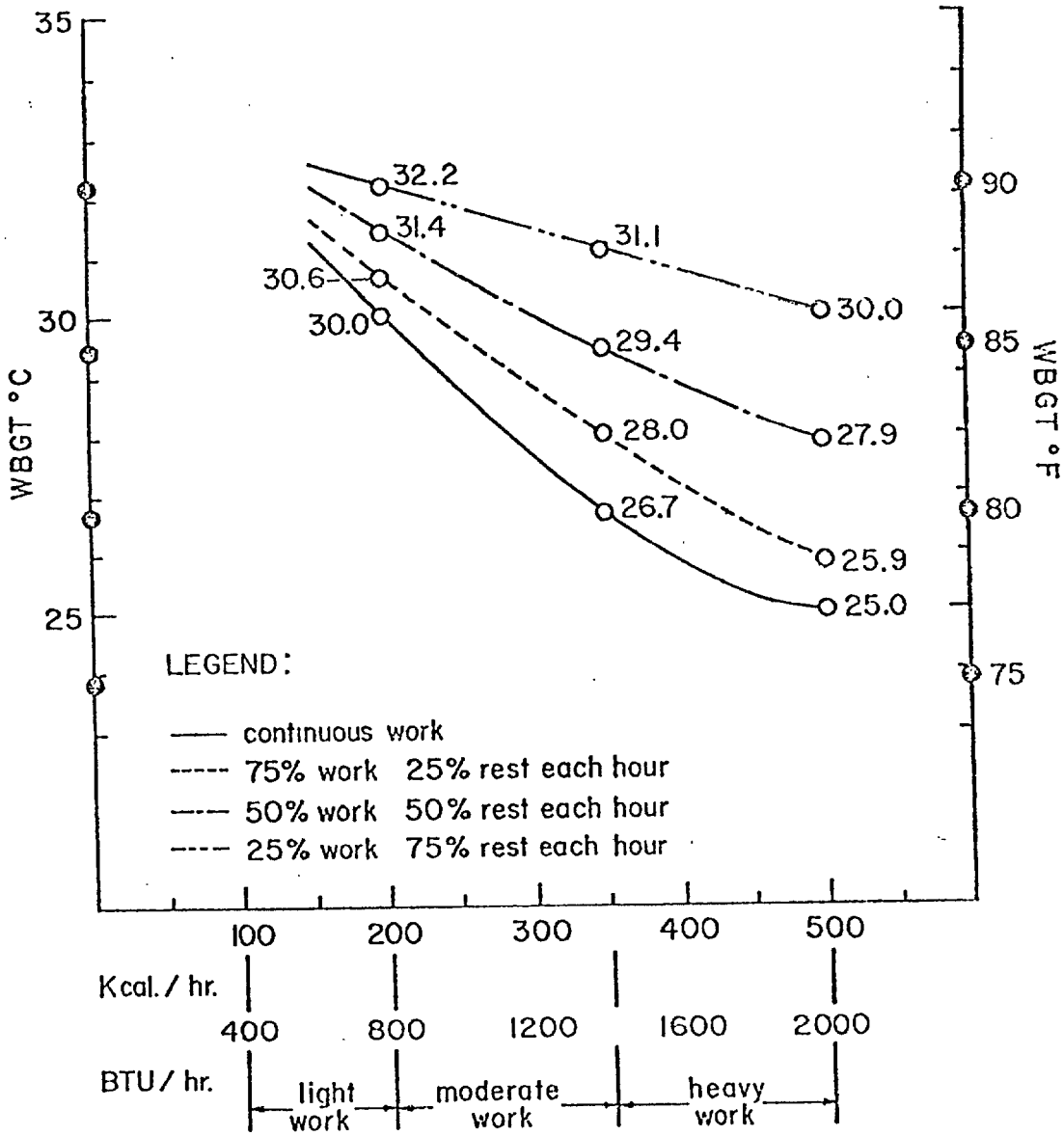
Maria Gutierrez

M. Gutierrez

MG:mfw
Attachment

BRE 0304

Union Carbide trial exhibit UC-1836: M. Gutierrez to K. G. Townsend on Brownsville Plant Heat Stress Survey (198... Published by AsbestosClaims.Law
ACL Doc 16903 · Page 1 of 2 asbestosclaims.law/library/16903/1



American Conference of Governmental Industrial Hygienists: Cincinnati, Ohio, 1971.

Figure 31-8. Permissible Heat Exposure Threshold Limit Value.

Union Carbide trial exhibit UC-1836: M. Gutierrez to K. G. Townsend on Brownsville Plant Heat Stress Survey (198... Published by AsbestosClaims.Law
ACL Doc 16903 · Page 2 of 2 asbestosclaims.law/library/16903/2