

LOSS PREVENTION PRINCIPLES

CORPORATE LOSS PREVENTION

THE DOW CHEMICAL COMPANY • MIDLAND, MICHIGAN

DOW

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Review/Revision Date

AUGUST 1990

2.2.6 Use of Table I

I 85

A reduction of up to 30% is acceptable on distances outlined when a small scale plant is being evaluated, or when the total insurable value (Property Damage and Business Interruption) does not exceed \$20MM.

TABLE I

Process Units F & E 1-60 Light Hazard

Process Units F & E 61-84 Moderate Hazard

Process Units F & E 85-127 Intermediate Hazard

Process Units F & E 128-150 Heavy Hazard

Process Units F & E 150-Up Severe Hazard

Process Stp. Class I Fl. Liq.

Process Stp. Class II Fl. Liq.

Process Stp. Class III Comb. Liq.

Bulk Tank Farm Class I & II

Bulk Tank Farm Class III

Bulk Pressurized Stp.

Cryogenic Storage

Product Warehouse

Rail Roads (To Center Line)

Major Pipeways (Not in Plant Pipeways)

Gas Metering Stations

Fire Pumps

Electric Sub Stations

Coating Towers

Maintenance Shop

Offices (HI Occupancy)

Fired Bldgs & Equipment

Loading & Unloading Stations (Fl. Liq.)

Loading & Unloading/Other

Fixed Fire Protection Equipment

Control Buildings & Laboratories

Flares

Outdoor Drum Stp. Fl. Liq.

See Figure 8 in The 8th Edition of F & E Index

Key

10 30 Feet

(Figures Are Rounded Off)

Keep Quantity To Minimum

NOTES: GENERAL

- SEPARATION DISTANCES CAN BE REDUCED WITH BLAST OR FIREWALLS
- FOR BETTER SEGREGATION LOCATE NON HAZARDOUS EQUIPMENT IN BETWEEN THE MORE HAZARDOUS EQUIPMENT.
- NON FLAMMABLE STORAGE BETWEEN FLAMMABLE STORAGE

A SEE FIGURE 8 8th EDITION

B SEE L.P. PRINCIPLE 7.1, 7.3

C SEE L.P. PRINCIPLE 7.2

D USE LOCAL STD'S FOR RAILROADS

E SEE L.P. PRINCIPLE 6.8

F SEE L.P. PRINCIPLE 4.1

G SEE L.P. PRINCIPLE 3.3

H SEE L.P. PRINCIPLE 6.1

I SEE L.P. PRINCIPLE 12.2

J SEE L.P. PRINCIPLE 12.1

K SEE L.P. PRINCIPLE 8.1, 8.3

L CAN BE BUILT AGAINST BUILDING WALL PROVIDING WALL HAS AT LEAST 2 HR FIRE RATING

M RANGE WILL BE FROM 25 FEET TO 75 FEET (8 to 23 Meters) PROTECT WITH BARRIER WALLS IN HIGH HAZARD AREAS

T701, T55, E100, Cell Series, CG2/62

T54/56