ABSTRACT

Expanding area on PT. Duta Cipta Pakarperkasa on 2008 create a new problem, changes of employee structure organization would be considerable to give impact changes manual of emergency response, its cause insufficient and improperly within emergency response manual application. Previous edition of ERP just provide instruction that cover fire incident and hazardous material spill, feedback as a reason that emergency response plan must be modificated and change into the new one.

According to company layout, wind direction, wind velocity, number of employee, earthquake intensity scale, fuel’s volume, HCl total mass. Thats needs of exit, exit route, protective action distance can be clearly determined. New Emergency Response Team arranges based job description each employee, contact number would be additional information to perform communicative action. Those is highly considerable through standarts application which is Peraturan Daerah DKI Jakarta No.3 Tahun 1992 used as parameter to estimate designs mean of escape facility and another references that correlated to this activity.

Its resulted, number of emergency exit : 8 exit on stage A, 13 exit on stage B, 4 exit on stage C, 4 exit on stage D and 3 exit on stage E. There is five assembly point area which is three area inside of factory area and two outside of factory area. For evacuation distance had estimated 60 meter on Hazardous chemical leakage (HCl) incident and 12.5 centimeter on Fuel leakage (explosion).

Key word : Emergency, Emergency Response Plan, Emergency Exit, Assembly Point, Evacuation Distance, Job Description.