

So in exxonmobil case that we encounter is that main problem or fault was made by some operators or people by neglecting the wash out of the regenerator. Then they forget or unable to measure that that hydrocarbon is under HEL or not so the explosion takes place.

Here we can able to predict this probability that what is the EL that we have to maintain and by that we can avoid or alert from this type of explosion.

Now in vizag blast the styrene flow allover the area and huge loss occurred. But here by taking the FAR, OSHA FATALITY RATE, mTNT and finding radius for waves and toxic wave we can predict the highest affected area. By this we can suggest the precaution or take necessary steps to avoid losses.