

## **ChE 465**

### **Operational & Environmental Safety of Chemical Plants**

Seminar by

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University of Michigan, M.Sc. in ChE, 1957

#### **Subject of Seminar**

#### **Safety in Process Plants**

17 December 2019 12:00-14:00 KB 401

Safety is an action against a risk or hazard. Thus the two factors must be analysed together and safety precautions must be taken against the specific risks. The minimum safety requirements against the possible risks in any country are regulated by the laws and decrees issued by the public authorities. For example, in Turkey it is covered by the law 6331, revised in 2018 titled 'Safety and health requirements in work places' ( İş sağlığı ve güvenliği kanunu). As the name indicates this law is primarily concerned with the security of the personel and does not cover majority of the primary risks in the process plants which I will try to summarize them under 3 headlines, i.e natural causes, fire- explosion and faulty design-operation.

#### **Şener Aral:**

- Process eng, in Mobil Oil's refinery in NY,USA- 2 years
- Process eng, engineering section head, operation section head and deputy manager in TPAO's Batman refinery -4 yrs
- Head of the Eng Dept in PETKİM, during the construction of Yarımca complex , also responsible for the license and engineering contracts--4 yrs
- General Manager of Besin-Mısır A.S. (Affiliate of Corn Products Co) active in the production of starch and glucose-4 yrs
- General Manager and shareholder of Boral Engineering Inc. More than 300 major and mid size projects within the size range of 2000 to 300 000 manhours, were completed since 1972
- Part time teacher in BU for the course titled 'Plant design and economics- 1972 to 1975