

Fire Event Matrix Methodology

A. 50.72 Event Notification (EN) Reports:

Internal searchable database: (1985-present)

Search Method

1. Search internal database with criteria:
 - a. Keyword: "fire"
 - b. Event Dates: 1/1/1995 - 12/31/2007
 - c. Facility: power reactor
2. Screen results for actual fires at plants

B. 50.73 Licensee Event Reports (LERs):

Internal searchable database: (1985-present)

Search Method

1. Search internal database with criteria:
 - a. Keyword: "fire" in the title or abstract
 - b. Event Dates: 1/1/1995 - 12/31/2007
2. Screen results for actual fires at plants
3. Match each LER result to corresponding EN
 - a. There were no unmatched LERs

C. Fire Event Matrix:

Populate Matrix:

10 Matrix Columns

1. Entries in 5 columns require only information taken directly from the ENs
 - a. **Date** – (Event Date)
 - b. **Plant** – (Unit Involved)
 - c. **EAL** – (Emergency Action Level Declared)
 - d. **EN** – (EN Number)
 - e. **Location** – (Fire Location)
2. Entries in 4 columns are based on information from the ENs, but may require interpretation by the analyst or additional information from the LER
 - a. **LER** – (LER Number)
 - b. **DUR** – (Fire Duration)
 - c. **EXT** – (Method of Fire Extinguishment)
 - d. **Ignition Type** – (Ignition Type)
3. Entries in 1 column require the judgment of the analyst
 - a. **Size** – (Fire Size)