# Overview: Process Safety Incident Database (PSID)



## Process Safety Incident Database (PSID)

Purpose: the cost effective collection and sharing of process safety incident experiences among participating companies so we can learn from the experiences of others.



## What are the goals of PSID in sharing Information?

- A. -- Focus on "Key" information
- B. -- Easy to input data
- C. -- Searchable (Very Important)
- D. -- Able to extract information easily, i.e. Reports
- E. -- High Quality Information
- F. -- Insures Confidentiality & Security
- G. -- Accessible to those that "Need to Know"



## What are some of the ways members use the database?

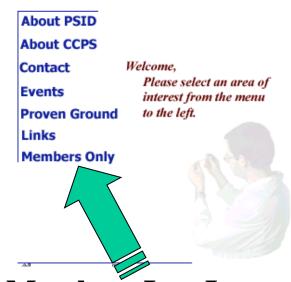
- Proactive improvements to facilities.
- PHA analysis.
- Identify high risk activities.
- Accident investigations
- Operator and engineering training.
- New chemical screening resulting from acquisitions, etc..



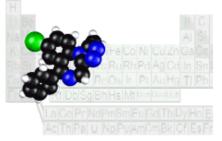








Members Log In with ID and Pass Word







The Center for Chemical Process Safety (CCPS) facilitated the development of the Process Safety Incident Database to collect a share incident information and experiences among participating companies so everyone within those companies could learn from the ices of others, and do so while minimizing corporate liability. his database is the joint property of the participating companie

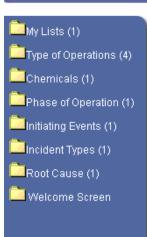












#### Welcome To The Application ::-

View Samples

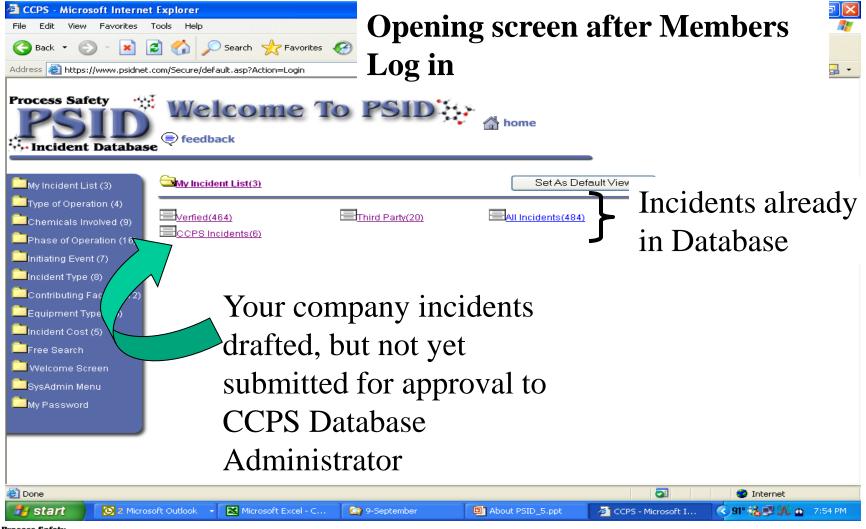
Learn About Lists (Powerpoint Presentation)

Take A Tour (Brief Overview of Site Functionality)

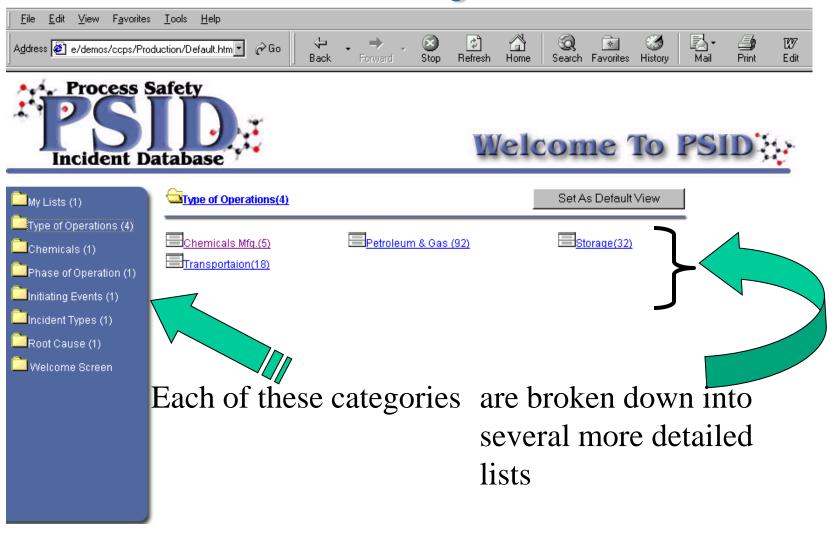
Start Using PSID

On line instructions and tutorials











#### Working With "Free Search" Tool

- "Free Search" is a <u>Key</u> tool for finding data.
- You can run a query for any data in the database. (picklists, dates, text, etc.)
- You can generate a List of Incidents that meet the query criteria.
- List can be given a name and saved as a Refreshable list that is updated each time you log on.



#### Reporting Information

(easily extract information)

#### The system contains 3 major canned reports

- 2D SUMMARY
  - KEY LEARNINGS
- CROSS TAB
  - INCIDENT REPORTS
  - FOLLOW-UP ACTIONS
- PARETO CONTRIBUTING FACTORS



#### Working With "Reports"

- The 2D Summary Report
  - One of the main "analytical" reports
  - Reports one "field" (Incident type, phase of operation, equipment type, etc) vs. incident count.
  - Results may be view as either a Graph or Report.



#### Center for Chemical Process Safety **2D Summary**

#### Report

**Chemicals** 

**Contributing Factor** 

**Contributing Factors Detail** 

**Equipment Category** 

**Equipment Detail** 

**Incident Detail** 

**Incident Type** 

**Initiating Event** 

**Occurs in Country Code** 

**Phase of Operation** 

**Source of Ignition** 

**Type Op Category** 

**Type Op Detail** 

**Type Op Type** 

#### View

Report Chart







2D Summary

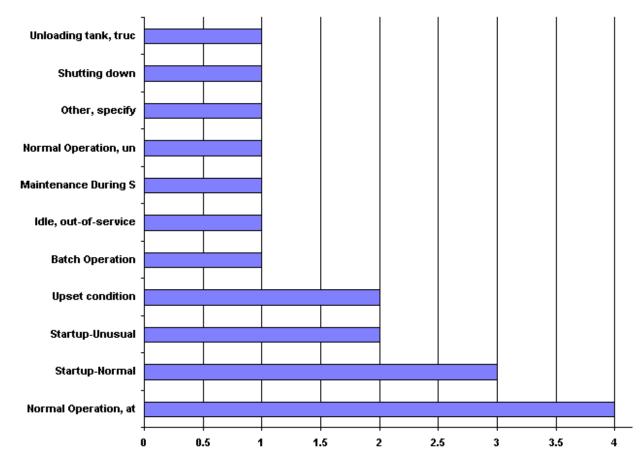
Date: 10/23/99

-

Time: 1:25:47 PM

Phase of Operation : Incident Count

ANRIA



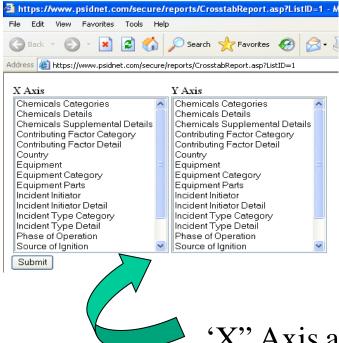


#### Working With "Reports"

- Cross Tab Report:
  - Compares two "pick lists" field within the database and counts the number of incidents meeting BOTH criteria.
  - Used to quickly find the "Hot Spots" where incidents occurred most often, for example fires during start-up.



#### **Cross Tab**

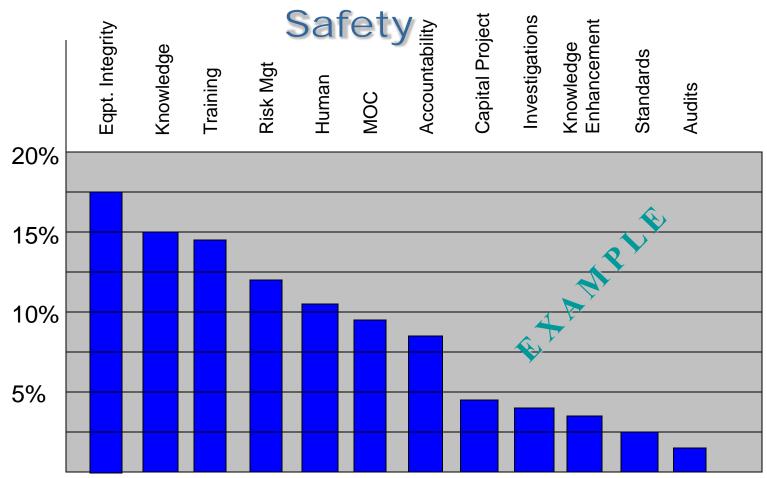


'X" Axis and "Y" Axis components

Pick one of each.



#### Center for Chemical Process



Pareto Chart of Contributing Factors to Accidents



#### **Data Input Requirements**

(Focus on the Critical Few)
(Required Fields)

•	<b>Brief Description</b>	(text)	•	Dollar Loss	(Pick)
•	<b>Full Description</b>	(text)	•	<b>Type Operation</b>	(Pick)
•	<b>Lessons Learned</b>	(text)	•	<b>Initiating Event</b>	(Pick)
•	<b>Follow-up Actions</b>	(text)	•	Type of Incident	(Pick)
•	Country (Pick list)		•	<b>Equip. Involved</b>	(Pick)
	Chemicals involved	(Pick)	•	Contribut'd Factors	(Pick)

Injury Statistics (Yes/No)



#### **Data Input Requirements**

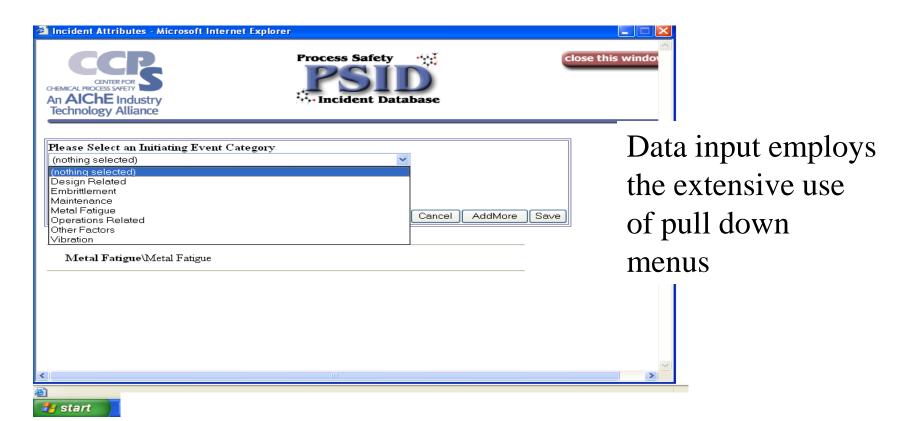
(Optional Fields)

• State or Province (Pick)

• Date (Text)



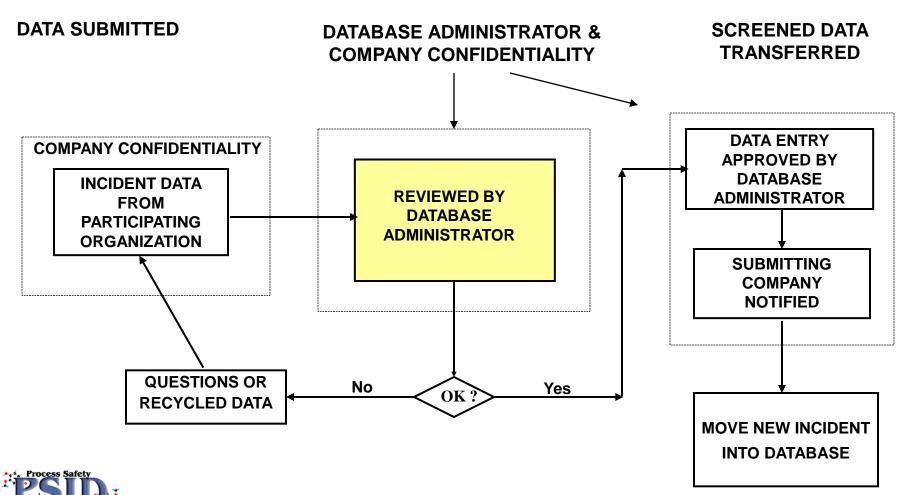
#### **Example Input Screen**







#### **PSID Security**



Want to know more?

Contact Adrian Sepeda for more information, demonstration or to sign up.

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