PHMSA
U.S. Department of Transportation
Pipeline and Hazardous Materials Safety Administration

AGA D I M P Workshop

Hyatt Regency O'Hare
Rosemont, Illinois
August 12-14, 2008

Presented by:
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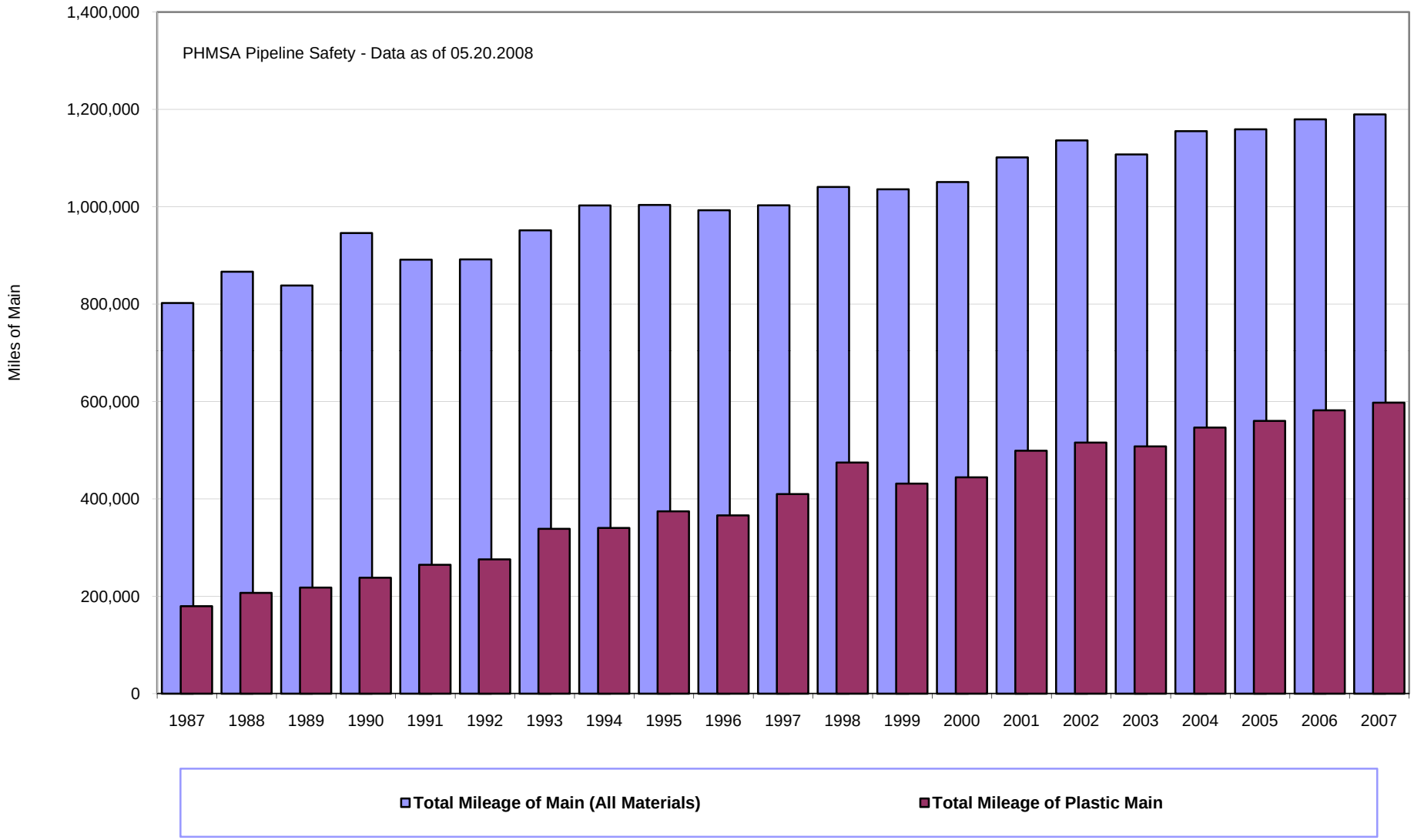
PHMSA Pipeline Safety Office of Training & Qualifications

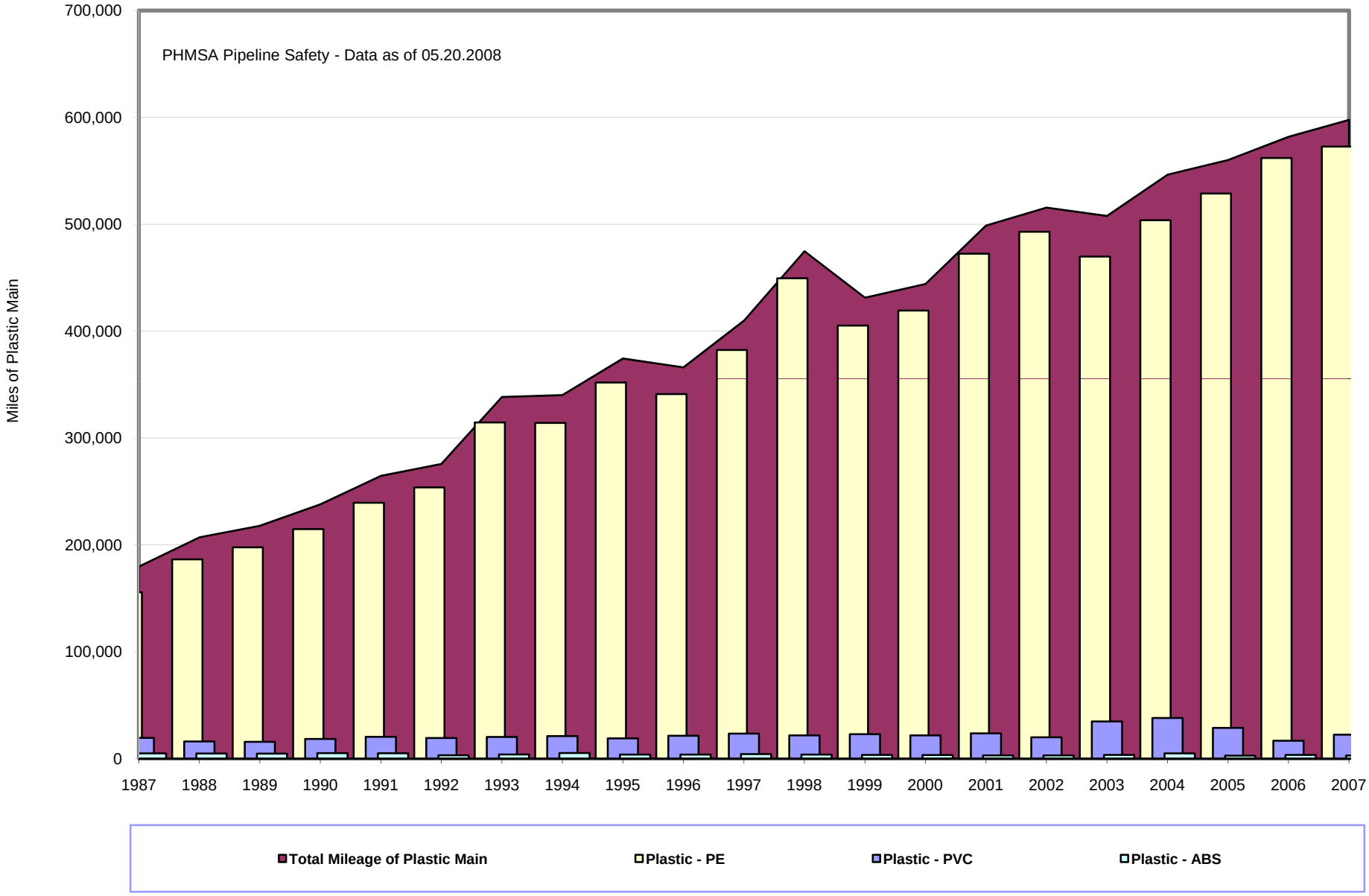
Gas Distribution Miles of Main

Data as of 5-20-08	2000	2001	2002	2003	2004	2005	2006	CY 07 Annual Report Filing Not Completed
Total Mi of Main (All Materials)	1,050,802	1,101,485	1,136,469	1,107,549	1,155,349	1,159,185	1,179,597	1,189,708
Total Mi of Plastic Main	444,197	498,869	515,686	507,827	546, 450	560,121	581,906	597,736
Plastic PVC	21,636	23,512	19,826	34,722	37,869	28,613	16,607	22,268 (.2%)
Plastic PE	419,280	472,424	493,008	469,775	503,787	528,793	561,978	572,692 (.48%)
Plastic ABS	3,281	2,933	2,852	3,330	4,795	2,715	3,321	2,776 (.002%)

Gas Distribution System Miles of Main



Gas Distribution System Miles of Plastic Main by Material



P P D C

Plastic Pipe Data Collection & Sharing Initiative

AGA Website: http://www.aga.org

Status of PPDC Project (Karen Lively, PowerPoint)
http://www.aga.org/NR/rdonlyres/AF90012D-18CE-4E7B-B21B-ECE9AE266F29/0/0805PPDCLIVELY.PDF

PPDC Data Collection Form Instructions (PowerPoint)
http://www.aga.org/NR/rdonlyres/5C47173E-B9E8-4964-9FF5-B37E1D8F47BD/0/0603PRESENTATIONFORMHOWTO.pdf

P P D C

Plastic Pipe Data Collection & Sharing Initiative

Scope

This data collection initiative arose from an NTSB incident investigation that identified the cause of a '94 incident in Waterloo, IA as "brittle-like cracking" of plastic pipe.

P P D C

Plastic Pipe Data Collection & Sharing Initiative

Scope

Develop database of in-service plastic piping material failures to identify possible trends

P P D C

Plastic Pipe Data Collection & Sharing Initiative

Scope

Determine how susceptible older plastic piping materials are to premature brittle-like cracking (slow crack growth – SCG)

Plastic Pipe Data Collection & Sharing Initiative (PPDC)

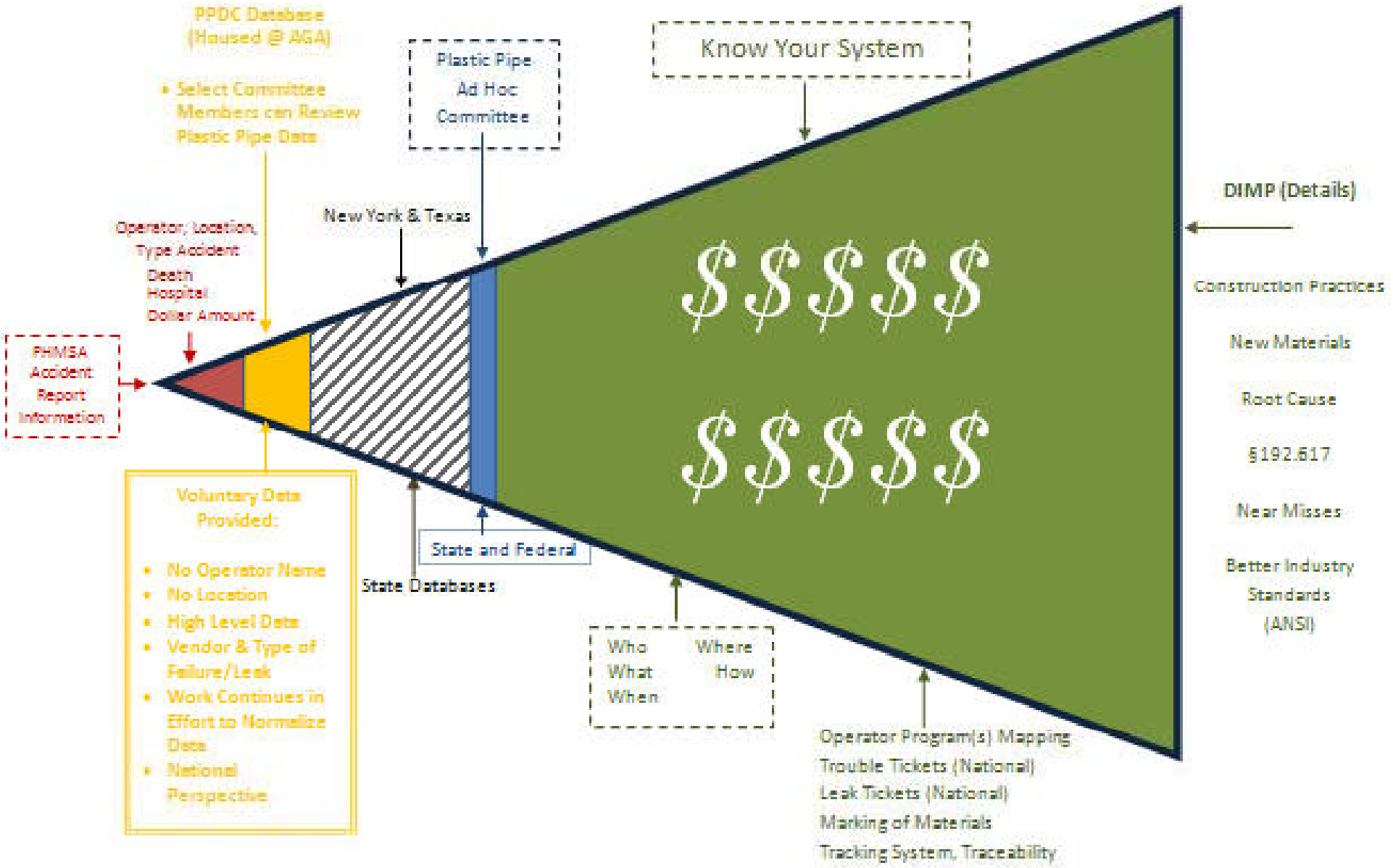
Failures Identified as "Other"

- Large amount of failures identified as "other"
- Whether for DIMP or PPDC, large numbers of "others" opens us up to review and negative comments
- Try to categorize in one of the more specific categories

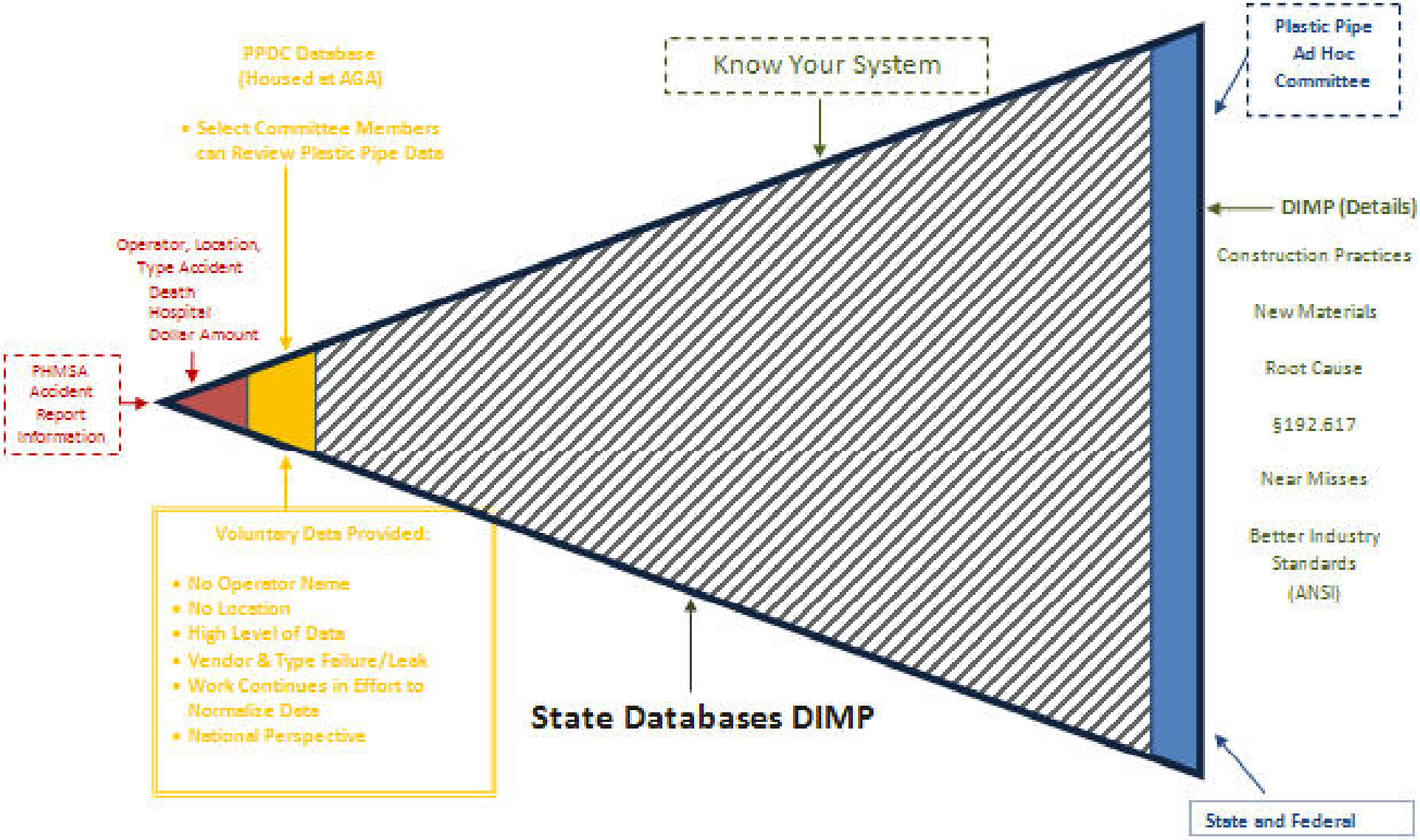
Plastic Pipe Data Collection & Sharing Initiative (PPDC)

Manufacturers of **Plastic Piping (Products)** Chart

Company	Material Designation	From	To	Size Range	Comments
Georg Fisher Central Plastics					Produced molded fittings for pipe producers
	PE 2406	??	Present	1" IPS – 12" IPS	Solid Yellow
	PE 3408	??	Present	1" IPS – 12" IPS	Solid Black
CP Chemical					Another name for Performance Pipe
Continental Industries					
	PE 2406	1995	Present	½" CTS – 2" IPS	Stab-type couplings – Solid Yellow



Start of DIMP



Completion of DIMP