# RMP High-Risk Facility Inspections

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## Agenda

- ◆ FY 2010 Inspection Summary
- ◆ FY 2011 Inspection Targets
- Accident Trends
- ◆ Revise High Risk Criteria?
- Learning From Inspections & Accidents

## FY 2010 vs 2011 Inspection Targets

- ♦ FY 2010 NPM Guidance:
  - Inspect 5% of RMP facilities
  - 10% of inspections at HR facilities
- ◆ FY 2011 NPM Guidance:
  - Inspect 5% of RMP facilities
  - 25% of inspections at HR facilities



## High Risk Facility Criteria

- ◆ RMP WCS population ≥ 100,000
- Any accident meeting RMP reporting criteria within last 5 years
- ◆ Hazard Index ≥ 25
  - Hazard index measures number & quantity of different RMP chemicals on site

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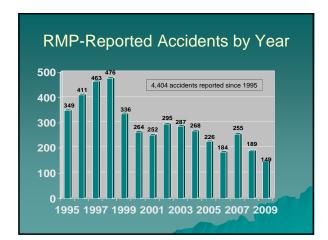
### FY 2011 National Summary of High Risk Facility Criteria RMP Facilities Unique Criteria Population Hazard Index Hazard Index Accident Accident Population Current Hi-Risk 63 116 264 296 645 172 95 149 50 61 97 104 357 82 65 45 85 156 166 524 104 81 74 22 10 38 33 63 8 2 38 6 38 36 114 18 13 17 5 1815 2872 2271 2473 818 1141 483 82 80 162 15 9 23 21 47 3 4 132 172 78 25 54 27

Comparison						
Year Criterion	FY 2010	FY 2011				
Pop ≥ 100K	503 (223)	493 (217)				
Accident within last 5 years	660 (366)	659 (362)				
Hazard Index ≥ 25	1475 (1071)	1256 (851)				
Total (any criteria)*	2108	1872				

# Raise Hazard Index Threshold? Increasing HI to 50 drops 481 facilities: NAICS Description # Natural Gas Extraction 112 Other Chemical & Allied Product Wholesale 50 Ethyl Alcohol Manufacturing 41 All Other Basic Organic Chem Manufacturing 30 Plastics Material & Resin Manufacturing 26 Petroleum Bulk Stations & Terminals 21 All Other Misc Chem Product & Prep Mnfr 18 Nitrogenous Fertilizer Manufacturing 10 Petrochemical Manufacturing 10 Petroleum Refineries 10

## FY 2010 – Completed RMP Inspections

Region	RMP Bid	Actual	High Risk Req.	HR Actual
1	20	22	2	3
2	25	37	3	4
3	33	44	3	14
4	56	73	6	19
5	50	86	5	29
6	150	152	15	34
7	40	43	4	20
8	45	48	5	8
9	57	71	6	15
10	24	27	2	3
Total	500	603	51	149
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## Learning from Inspections

- EPA has completed over 5000 RMP inspections.
- Where is the inspection information?
  - ICIS contains top-level information on inspections done since 2004.
  - Regional offices and delegated states maintain inspection reports & inspection documentation
- No national repository of detailed inspection information exists

## Possible Benefits of a National **Inspection Report Archive?**

- Improved inspection results
- Improved case development
- Better inspection planning
- Inspector training resource
- Facility knowledge base

## Some challenges...

- Regional offices & states have different inspection procedures:
  - What portions of a facility are inspected &
  - What rule elements are inspected?
  - What information is gathered?
- Limited sharing of inspection information:

  - No national database of inspection reports exists

## Some ideas...

- Implement common inspection protocols Obtain copies of RMP documents (compliance audits, incident reports, MOC files, etc.)
- Establish an electronic inspection report
- Inspection narrative, Inspector ID, Facility & processes inspected, dates of inspection, findings/deficiencies, completed checklist, etc.
   Upload completed inspection reports & supporting RMP documents to a central database

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