



# RCRA Corrective Action Training Program: Getting to YES! *Strategies for Meeting the 2020 Vision*



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# Module 2

## How to Achieve the 2020 Vision



# Module Overview

- ❖ Defining the 2020 Vision
- ❖ Region 3 Goals and Progress
- ❖ Principles for Achieving the 2020 Vision

# Where We are and Where We are Headed

YES!

↑  
Road Map  
to CA Success





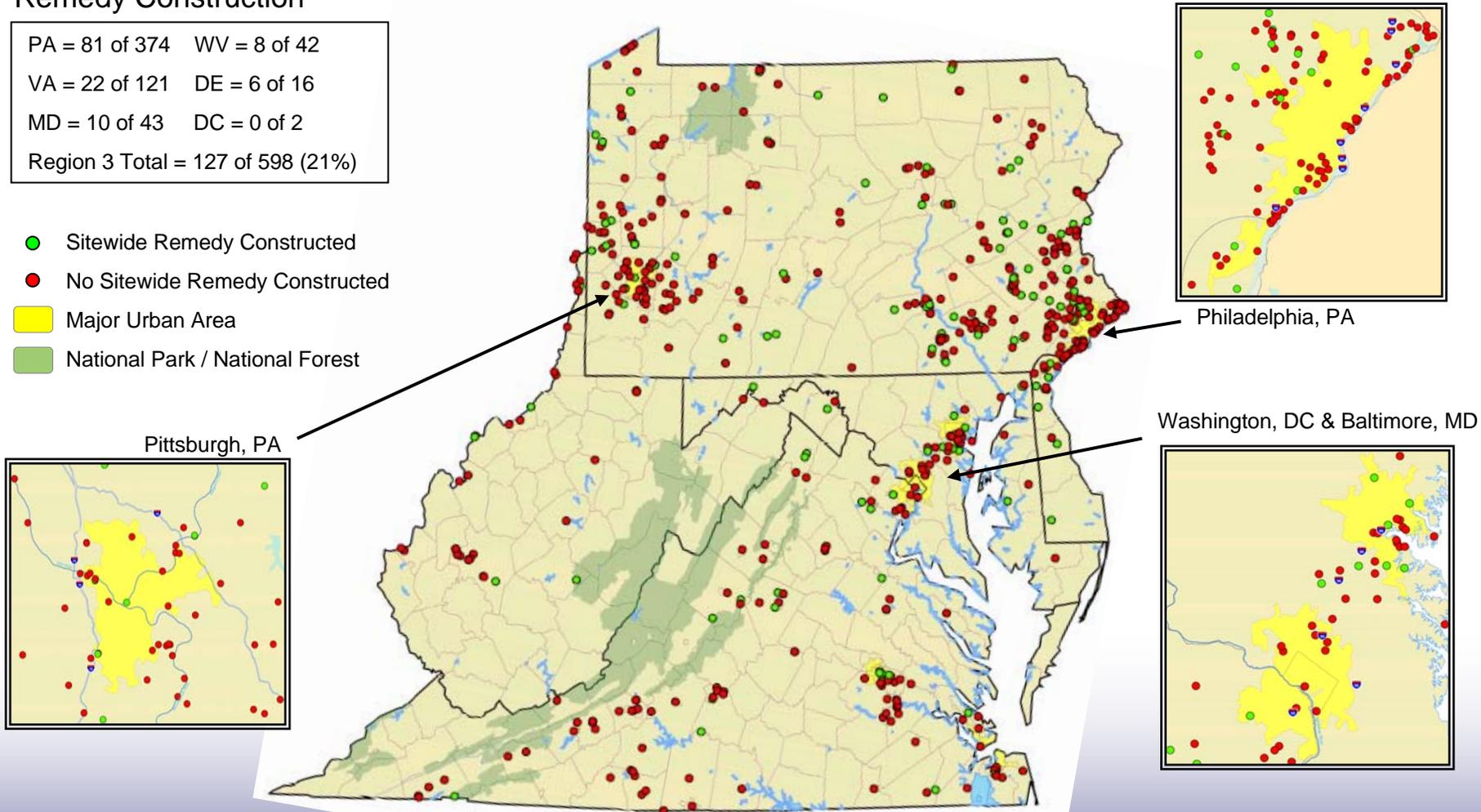
# Region 3 Corrective Action 2020 Universe

(Data through 3/1/2009)

## Remedy Construction

PA = 81 of 374    WV = 8 of 42  
VA = 22 of 121    DE = 6 of 16  
MD = 10 of 43    DC = 0 of 2  
Region 3 Total = 127 of 598 (21%)

- Sitewide Remedy Constructed
- No Sitewide Remedy Constructed
- Major Urban Area
- National Park / National Forest





# Beyond RCRA

Waste and Materials Management in the Year 2020

2020

sustainable use of resources  
life cycle approach to managing chemical risk  
safe, environmentally sound waste management

2002





# 2020 Vision for CA

*By the year 2020, cleanup of existing contamination problems at RCRA-regulated facilities will largely be complete.*



# Measuring Progress

- ❖ Environmental Indicators
- ❖ Performance Measures
- ❖ RCRA Info Event Codes



# 2020 Goals

**CA Complete**

**1. Remedies Constructed**

**2. EIs at High Priority Sites**

**3. PFPs and RAUs**



# 2008 and 2020 Measures

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Measure	Year	
	2008	2020
Facilities	1,968	3,746
Remedy	❖ 708 Remedy Decision ❖ 531 Remedy Construction	3,559
Environmental Indicators (EIs)	❖ 1,870 Human Exposures ❖ 1,594 Groundwater Migration Controlled	3,559



# *How can we achieve the 2020 Vision for CA with Existing Resources?*

# Change



# Why is it O.K. to Change?

Because we've learned  
through our collective  
experience



# How Can We Achieve the 2020 Vision for CA?

Follow 8 principles, beginning with:

1. **Get** an Exit Strategy established.

(continued)



# How Can We Achieve the 2020 Vision for CA?

2. *Environmental* cleanup to protective levels is the goal.

(continued)



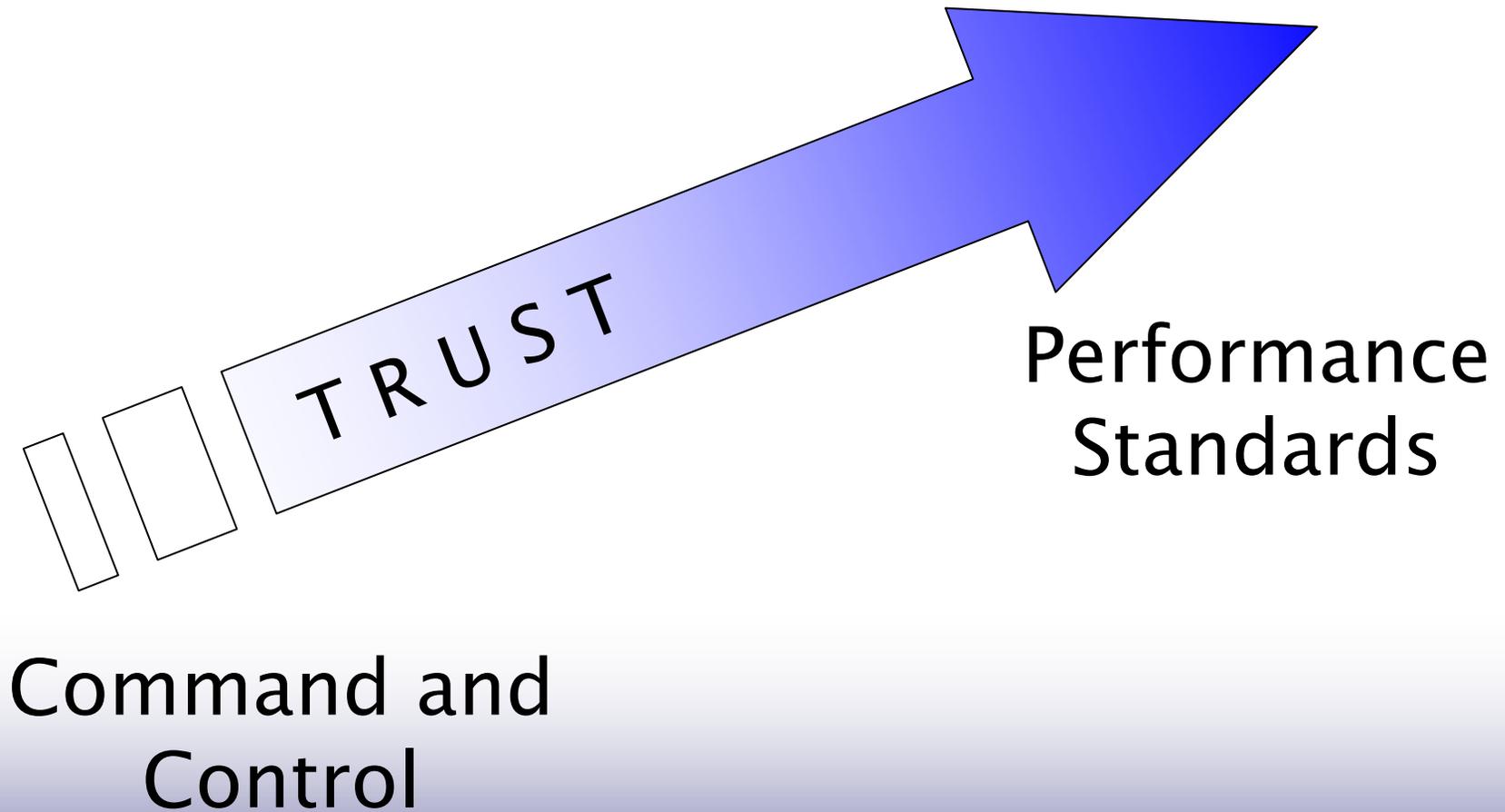
# How Can We Achieve the 2020 Vision for CA?

3. *Think* performance standards.

(continued)



# The Trust Factor





# How Can We Achieve the 2020 Vision for CA?

4. *Tailor* sustainable solutions considering risk management and revitalization.

(continued)



# How Can We Achieve the 2020 Vision for CA?

5. *Okay* for remedy to change over time to improve overall performance.

(continued)



# How Can We Achieve the 2020 Vision for CA?

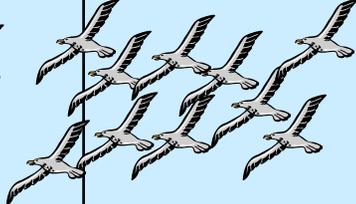
## 6. Yield to changes in focus:

- ❖ From assessment to remediation
- ❖ From procedures to results

(continued)



# Shifting the Focus

	Regulatory Mechanism Negotiation	Assessment and Interim Measures	Remedy Selection/ Construction	Remedy Operation
Agency Staff Time				
Facility Costs	\$\$\$	\$\$\$\$\$\$	\$\$\$\$\$\$\$\$ \$\$\$\$	\$\$\$\$\$\$\$\$ \$\$\$\$\$\$\$\$
Public Participation				
Human Health & Environmental Benefit				



# How Can We Achieve the 2020 Vision for CA?

7. **Engineering and Science**  
are the solution (not reports!)

(continued)



**Groundwater pump and treat**



**Air sparge**



**No further action**



**Bioremediation**



# How Can We Achieve the 2020 Vision for CA?

8. **Success** – document it!



## **G**et an Exit Strategy

**E**nvironmental cleanup to protective levels is the goal

**T**hink performance standards

**T**ailor sustainable solutions considering risk management and revitalization

**O**kay for remedy to change

**Y**ield to changes in focus

**E**ngineering and science are the solution

**S**uccess – document it!



# Get to YES!

