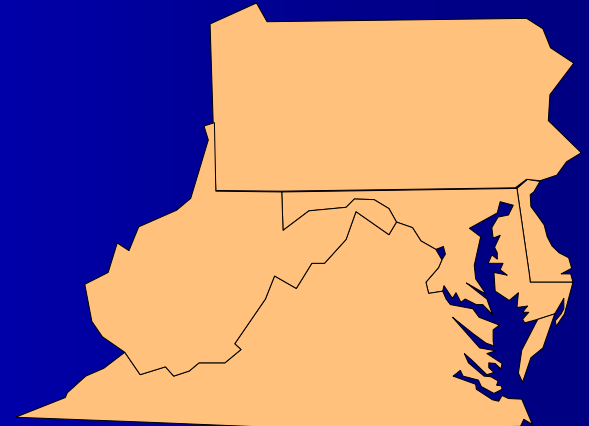




EPA's Waste Minimization and Federal Facilities

U.S. EPA Region 3

Sharon Pérez-Suárez, PMP



What is the Resource Conservation Challenge?

EPA's Resource Conservation Challenge (RCC) is a national effort to find more flexible, yet protective ways to conserve natural resources and energy.



Everyone Has a Role in the Challenge

- ➔ Manufacturing and Other Commercial Companies
- ➔ Federal, State, and Local Government Agencies
- ➔ Non-Government Agencies
- ➔ Consumers – Engaging Youth and Educating People
- ➔ We must all:
 - ➔ Adopt a resource conservation ethic;
 - ➔ Operate more efficiently;
 - ➔ Purchase more wisely; and
 - ➔ Make and use products that are easy to recycle and composed of recycled materials



Resource Conservation Challenge (RCC)

➡ Through the RCC, EPA's goal include to:

- ➡ Increase the national recycling rate to 35 % by 2005
- ➡ Increase Electronics Recycling by 5% from the previous year
- ➡ Increase the use of Coal Combustion Products from 31% in 2001 to 45% by 2008
- ➡ Increase the use of coal ash in concrete from 14 million tons in 2002 to 20 million tons by 2010.
- ➡ Cut the generation of 31 priority chemicals in waste by 10% by 2008.



RCC National Priority Area:

Priority Chemicals



**WASTE
MINIMIZATION
NATIONAL PLAN**



Reducing Toxics in Our Nation's Waste

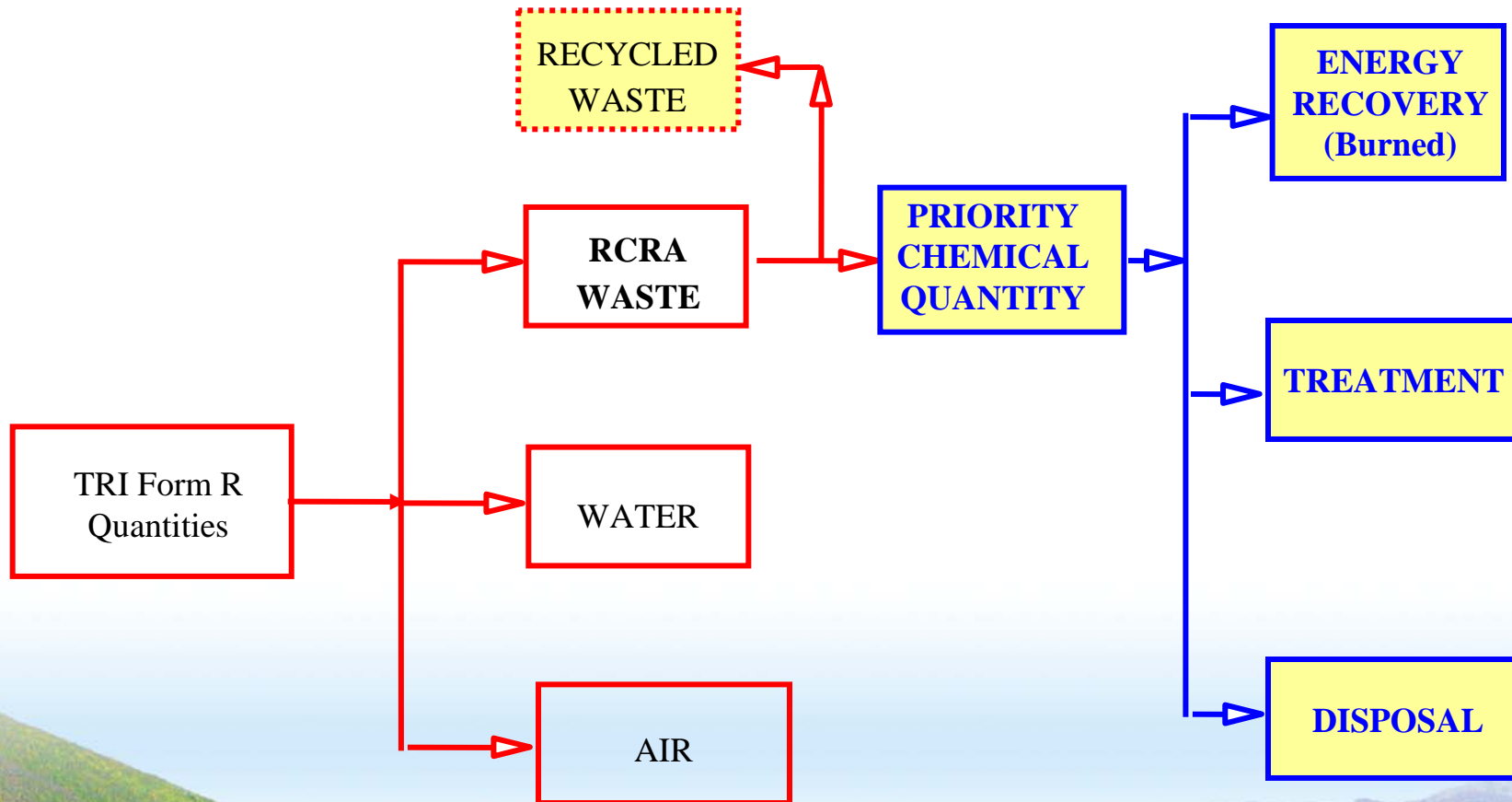


National Partnership For Environmental Priorities (NPEP)

- **Goal: Achieve 10% reduction of 31 priority chemicals by 2008**
- **Sector Strategies**
 - Coil Coating (Naphthalene)
 - Electronics (Lead)
 - Scrap Iron & Steel (Lead, Cadmium, Mercury)
 - **Federal Facilities (Lead, Cadmium, Mercury, PCBs and Naphthalene)**
 - Listed as part of the Executive Order 13148
 - Greening of the Government



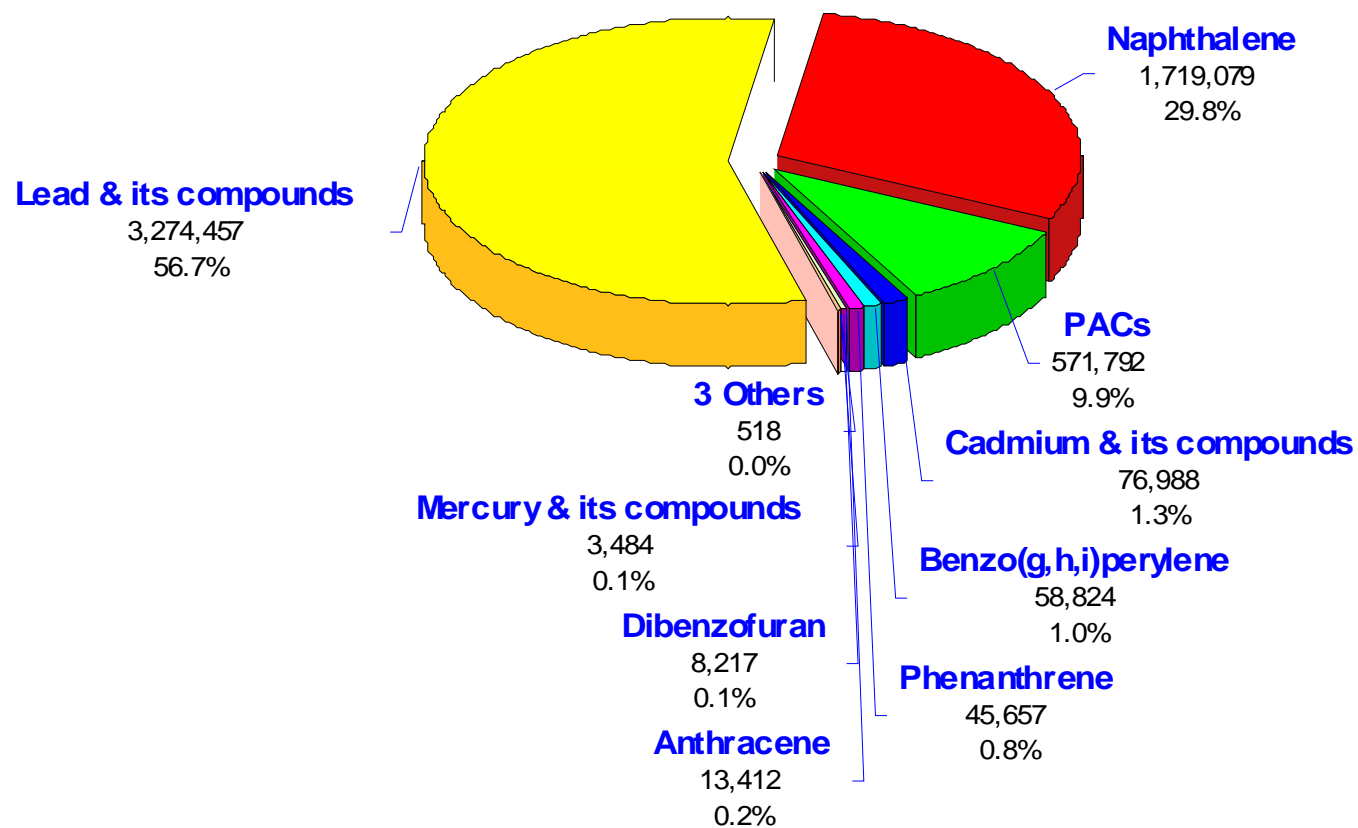
TRI Environmental Quantities and Priority Chemical Measurements



Region III Priority Chemicals

Basis: 2004 TRI
(Quantity, in pounds)

Total: 5,772,427



Top 12 Industrial Sectors for 2004

Distributed by State

(PC Quantities, in pounds)

Primary SIC Code	Regional Totals	District of Columbia	Delaware	Maryland	Pennsylvania	Virginia	West Virginia
3341, Secondary nonferrous metals	1,523,015			496	1,522,519		0
3312, Blast furnaces and steel mills (incl. coke plants)	893,125		110		545,955	346,971	89
2879, Pesticides and agricultural chemicals, NEC	776,157						776,157
2865, Cyclic crudes and intermediates	481,248						481,248
3691, Storage batteries	396,759		13		396,746		
3229, Pressed and blown glass, NEC	294,419				294,285	2	131
2821, Plastics materials and resins	229,880		1,945	25	217,255		10,655
3479, Metal coating and allied services	204,640			18,944	39,729	628	145,339
3321, Gray and ductile iron foundries	189,844				52,105	137,739	
9711, National Security	113,196			16,730	17	96,449	
2816, Inorganic pigments	107,318			69,309	38,008		
2851, Paints and allied products	32,795			2,562	27,323	2,910	
148 Other SICs	530,031	442	13,999	35,061	318,558	137,580	24,391
Grand Totals	5,772,427	442	16,067	143,127	3,452,501	722,280	1,438,010



Region 3 Waste Minimization Team Support Services

- ➔ Waste Minimization Site Visits -
Key component of NPEP implementation
- ➔ Site Visit Report
- ➔ Source Reduction Strategy Development
- ➔ Technical Information / Resources
- ➔ Education / Workshops
- ➔ Recognition (Press visibility)



National Partnership For Environmental Priorities (NPEP)

➔ How to participate:

1. Identify one or more chemicals for reduction.
2. Develop a source reduction/recycling goal and project time line for each chemical selected.
3. Sign Up

➔ Recognitions and Awards

1. Membership plaque; use of logo
2. Recognition for past accomplishments
3. Annual and final accomplishment awards
4. Publication of success story
5. Press events (if desired)

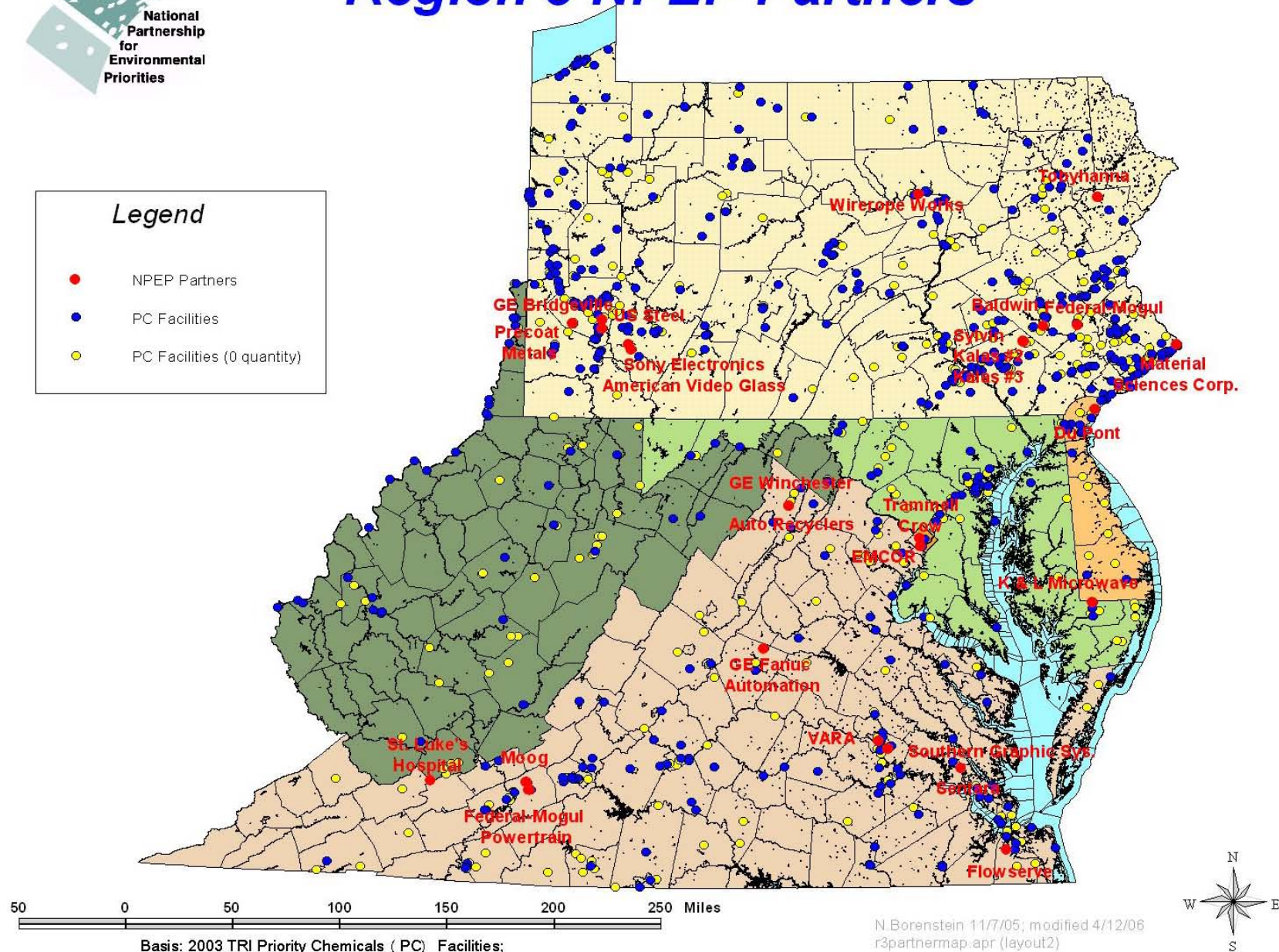




Region 3 NPEP Partners

Legend

- NPEP Partners
- PC Facilities
- PC Facilities (0 quantity)



Federal Facilities as NPEP Partners

- ➔ Sheppard Air Force Base, TX
- ➔ Tobyhanna Army Depot, PA →
- ➔ Naval Institute for Dental and Biomedical Research, IL
- ➔ Air National Guard's Rosencrans Airport, MO
- ➔ U.S. Postal Service, Northeast Area, NY



Michael L. Parrent, Pollution Prevention Program Manager of Tobyhanna Army Depot, Tobyhanna, PA Plant accepts the National Waste Minimization Partnership Program enrollment plaque from Barry Breen, acting Assistant Administrator for the Office of Solid Waste and Emergency Response, at the 2003 RCRA National Meeting.

ENROLL US!

We Want to Be a Member in EPA's
Voluntary National Waste Minimization Partnership Program



GENERAL INFORMATION

Company Name: Department of Army
Facility Name: Tobyhanna Army Depot
Principal Contact: Michael L. Parrent Title: Pollution Prevention Program Manager
Facility Location: City: Tobyhanna State: Pennsylvania Zip: 18466-5086
Mailing Address: City: _____ State: _____ Zip: _____
Phone Number: (570) 895-6105 Fax: (570) 895-7005 Email: michael.parrent@tobyhanna.army.mil

PARTNER AGREEMENT

Our organization/company is choosing to become a partner in EPA's National Waste Minimization Partnership Program. Our goal is to reduce the quantity of one or more Waste Minimization Priority Chemicals currently found in our hazardous and/or nonhazardous wastes using source reduction and/or recycling practices, in lieu of waste treatment or land disposal practices. In this enrollment application, we identify one or more voluntary waste minimization goals that we believe we can achieve as Partners in this Program. The voluntary goals provided below are initial estimates, and may change over time. We may revise our goals or withdraw from the program at any time. If/when choose to revise our goals or withdraw from the program, we will notify EPA.

GOAL #1: Chemical Name: lead CASRN: 7439-92-1

Narrative description of proposed project (and the mechanism you will use to measure success): Source Reduce lead used from 245 lbs to less than 1 lbs between calendar years 2002 - 2007 by substituting lead-free solders for leaded solders. This will also impact longer term waste as items currently being processed are returned for maintenance or recycling.

- Our voluntary source reduction goal for Chemical #1 is to reduce the amount of this chemical generated in hazardous waste from a baseline amount of 245 lbs in 2002, to a reduced amount of < 1 lb by 2007
(x pounds generated/year) (month/year) (x pounds generated/year) (month/year)
- To accomplish this goal, we will explore the following source reduction options: (Check all that apply)

<input checked="" type="checkbox"/> Equipment or technology modifications	<input checked="" type="checkbox"/> Process or procedure modifications
<input type="checkbox"/> Reformulation or redesign of products	<input checked="" type="checkbox"/> Substitution of less toxic raw materials
<input type="checkbox"/> Improvements in inventory control	<input type="checkbox"/> Improvements in maintenance/housekeeping practices
<input type="checkbox"/> Other (explain): _____	
- Our (optional) voluntary recycling goal for Chemical #1 is to increase the amount of waste Chemical #1 recycled from a baseline amount of _____ in _____, to an increased recycled quantity of _____ by _____
(x lbs/year) (month/year) (x lbs/year) (month/year)
- To accomplish this recycling goal, we will explore: (check all that apply)

<input type="checkbox"/> Direct use/reuse in a process to make a product	<input type="checkbox"/> Process the waste to recover or regenerate a usable product
<input type="checkbox"/> Use/reuse as a substitute for a commercial product	<input type="checkbox"/> Other (explain): _____

Authorizing Official: Colonel Patricia McQuestion Date: 5/30/03
Project Contact (if different from Company Official): _____ Phone: _____

www.epa.gov/reg3wcmd/wasteminimization.htm

EPA - Waste and Chemicals Management - Waste Minimization - Region 3 - Microsoft Internet Explorer

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THE WASTE MINIMIZATION PROGRAM

The U.S. Environmental Protection Agency Region 3 Waste Minimization Program

Helping Businesses to Improve Their Bottom Line and Protect the Environment

A voluntary national effort to reduce the quantity and toxicity of hazardous waste, emphasizing the most persistent, bioaccumulative, and toxic chemicals.

EPA Announces Creative Approaches for Helping Americans Recycle, Recover Energy, and Minimize Waste - Urging Americans to take renewed responsibility for their individual impact on the environment, EPA announced the "[Resource Conservation Challenge](#)". A program where the National Partnership for Environmental Priorities (formerly named, the National Waste Minimization Partnership) is an important component challenging companies to curb by 50 percent the generation of 30 harmful chemicals normally found in hazardous waste by 2005.

National Partnership for Environmental Priorities

Region 3 National Partners

[Learn About the NPEP](#)

[Enroll Now](#)

A NATIONAL WASTE MINIMIZATION PARTNER
Baldwin Hardware

"In a ceremony held in Reading, Pa, Regional Administrator Donald Welsh recognized Baldwin Hardware Corporation.



What is Waste Minimization?

About Priority Chemicals

Free Services to Industry

Region 3 National Partners

Develop your WM Plan

State Team Members

Other Recognition Programs

Conferences/ Training

Resources/ Links

Ask Us

WM Home

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