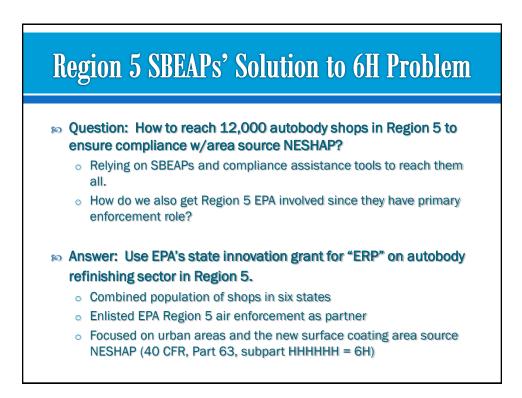


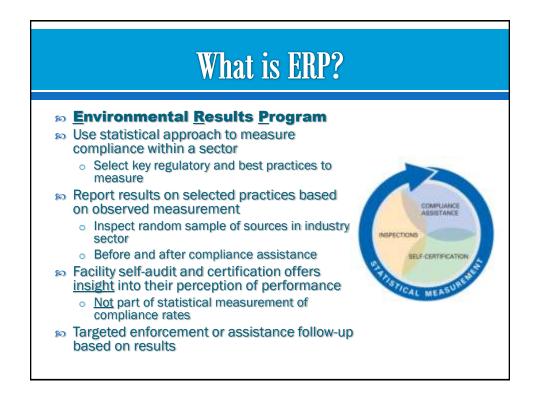
The Region 5 Autobody Environmental Results Program

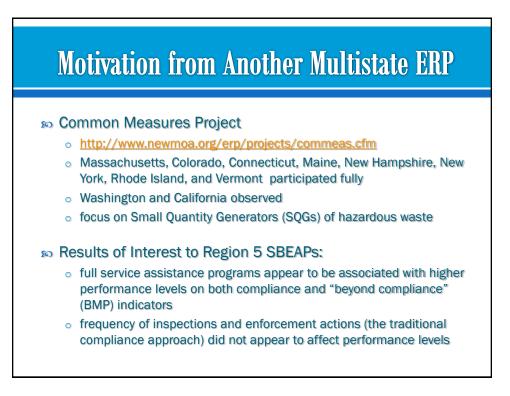
Renée Lesjak Bashel

National Meeting on Environmental Compliance Assurance and Performance Measurement Strategies, June 19, 2013

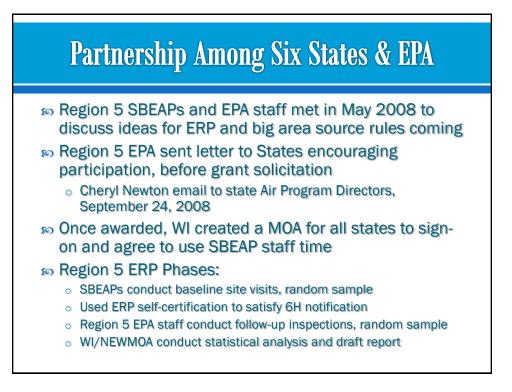
Do Businesses Comply with the Area Source NESHAPs?
Most states don't inspect minor air pollution sources, and aren't taking delegation of the Area Source NESHAPs
EPA has few resources to inspect all of the Area Source NESHAPs
How do you increase the number of emissions sources you inspect without more staff?

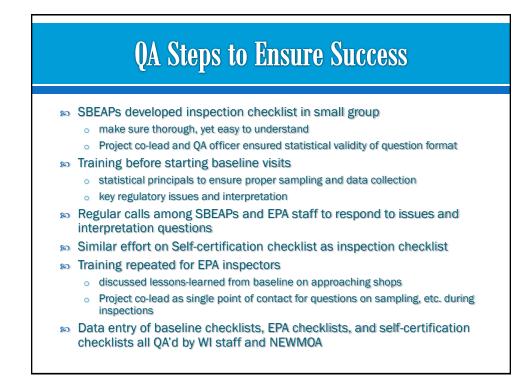








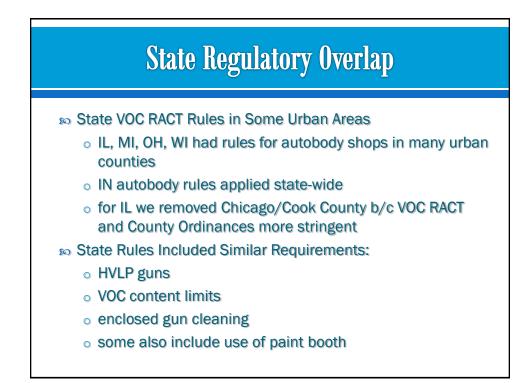






Key Indicators to Measure	
EBPIs	Question(s) Checklist
Practices Associated with subpart 6H	
% using HVLP or equivalent high transfer efficiency technology	16
% with high transfer efficiency painting training in place	B2a
 % with different components of training 	B2b
 % using hands-on or classroom-only training 	B2b
 % with documentation of training 	B2c
 % at which all spray-applied coatings used in enclosed booth or prep station 	C3, I1, I3
 % of booths/stations fitted with particle filters 	C4b, I2, I4
 % of booths/stations fitted with filter/system achieving 98% capture 	C4c&d
 % where spray gun cleaning is done with enclosed or non-atomizing washers 	C5, I7
 % maintaining MSDS or formulation records for all solvents/coatings use 	C9
 % maintaining records of the amount/content of coatings containing HAPs 	C10
% NOT using paint strippers containing Methylene Chloride	C6, 18
 % keeping records to document annual MeCl usage 	C7
Average and range of MeCL used	C7b
 % of MeCL users with written MeCl minimization plan 	C8
% maintaining records of the amount of coatings containing VOC and HAP	A6

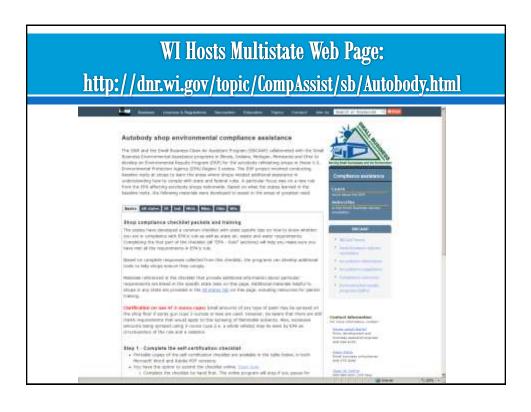
	Key Indicators continued	
	EBPIs	Question(s) in Checklist
0	ther Practices	
All	R PRACTICES	
•	Paint hours per year	A7
•	Average quantity and range of coatings used	A6
•	% using dustless vacuum or overhead capture equipment	F1
•	% meeting applicable state requirements	Varied
A	R RECORD KEEPING:	
•	Average use of high VOC and low VOC coatings and solvents per year	A6
H.	AZARDOUS WASTE	
•	Average and range of maximum amount of RCRA waste the facility generates in a	D3
	month	
•	Numbers of facilities in generator classes (CESQG or VSQG, SQG, LQG or not)	D3
	IDUSTRIAL WASTERWATER INDICATORS	
•	% of facilities not discharging IWW to surface water	E2
•	% of facilities <u>not</u> discharging IWW to a storm, sanitary or combined sewer system	E2
-	DLLUTION PREVENTION-ENERGY EFFICIENCY INDICATORS	
•	% of facilities taking one or more actions to conserve energy over the past three	G1
	years (distribution across menu of possible actions)	F1
•	% of facilities taking one or more actions to reduce pollution (VOC, PM and toxics) the past three years (distribution across menu of possible actions)	F1

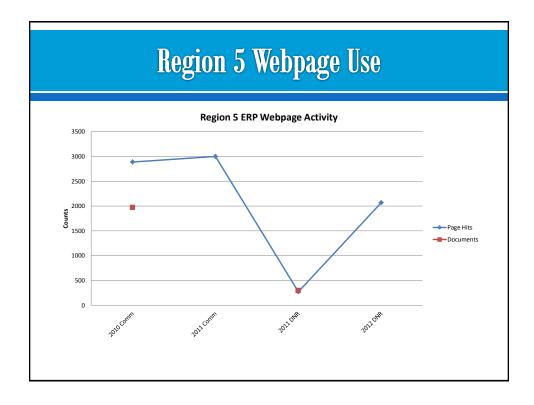


	nhor	Do		lati		nd S	1. 	nnli	næ	
U	I Da		JU	Idl	ion a	llu s	<u>al</u>	ШРШ	IIY	
		-	5					-	U	
Region 5 Urban Univers	e of Autobo	dy Refinishir	ng Sho	ps (Coun	ties with high	est populati	on in e	each state)		
States	IL	IN		м	u	MN		он	wi	Totals
Baseline	1225	489		87	7	675		1347	456	5069
Follow-up	1223	380)	85	i8	520		1422	394	4797
	-			-1		-155		75	-62	272
Difference Round 1 (Baseline) Tar	-2 get and Ac	-109 tual Sample	-		9	-133		/5	-62	-272
			Sizes		9 Michigan	Minnes	ota	Ohio	-02 Wisconsin	
Round 1 (Baseline) Tar	get and Ac	tual Sample	Sizes				iota			Tot
Round 1 (Baseline) Tar States	get and Ac	tual Sample	Sizes	ndiana	Michigan	Minnes		Ohio	Wisconsin	 Tot 14
Round 1 (Baseline) Tar States Target Sample Siz	get and Ac	tual Sample Illinois 34	Sizes	ndiana 15	Michigan 25	Minnes 19		Ohio 38	Wisconsin 15	14
Round 1 (Baseline) Tar States Target Sample Siz Actual Visits Comple Difference from ta	get and Ac	tual Sample Illinois 34 35 1	Sizes	ndiana 15 19	Michigan 25 27	Minnes 19 20		Ohio 38 38	Wisconsin 15 17	-2/2 Tota 14 15 10
Round 1 (Baseline) Tar States Target Sample Siz Actual Visits Comple Difference from ta Round 2 (Post) Target :	get and Ac	tual Sample Illinois 34 35 1 Sample Size	Sizes Ir	ndiana 15 19 4	Michigan 25 27 27 2	Minnes 19 20 1		Ohio 38 38 0	Wisconsin 15 17 2	Tot 14 15
Round 1 (Baseline) Tar States Target Sample Siz Actual Visits Comple Difference from ta Round 2 (Post) Target a States	get and Ac ze eted rget and Actual	tual Sample Illinois 34 35 1 Sample Size Illinois	Sizes Ir	ndiana 15 19 4 iiana	Michigan 25 27 2 Xichigan	Minneso 19 20 1 Minneso		Ohio 38 38 0	Wisconsin 15 17 2 Wisconsin	Tot 14 15 1/
Round 1 (Baseline) Tar States Target Sample Siz Actual Visits Comple Difference from ta Round 2 (Post) Target s States Target Sample Siz	get and Ac ze eted rget and Actual	tual Sample Illinois 34 35 1 Sample Size Illinois 34	e Sizes Ir es Ind	ndiana 15 19 4 iiana 15	Michigan 25 27 2 2 Michigan 25	Minnes 19 20 1 Minneso 19		Ohio 38 38 38 0 Ohio 38	Wisconsin 15 17 2 Wisconsin 15 15	Tot 14 15 10 10 10 10 10 10 10 10 10 10 10 10 10
Round 1 (Baseline) Tar States Target Sample Siz Actual Visits Comple Difference from ta Round 2 (Post) Target a States	get and Ac re eted and Actual re pleted	tual Sample Illinois 34 35 1 Sample Size Illinois	e Sizes Ir es Ind	ndiana 15 19 4 iiana	Michigan 25 27 2 Xichigan	Minneso 19 20 1 Minneso		Ohio 38 38 0	Wisconsin 15 17 2 Wisconsin	Tot

State	Events	Articles - Publication	Online Training Materials	Factsheets/ Postcards
IL	17 (825)	Clean Air Clips: Feb and Oct, 2011	Region 5 ERP Webpage (8223)	3 Factsheets
IN	9 (334)	CTAP Hot Topic: Jan 2010	 Collision Repair Assistance website Region 5 ERP Webpage (8223) 	1 Factsheet and Compliance Manua
MI	32 local, 1 webinar (70)	DNRE Web Article	 Checklist Tutorial (328) & Rule Overview Video (381) Webpage & Region 5 ERP Webpage (8223) 	4 Factsheets
MN	5 (88)	AASP-MN: 10/09, 1/10, 3/10, 7/10, 11/10 (2) MN SBEAP Enterprise, Fall 2010	Webpage & Region 5 ERP Webpage (8223)	4 Factsheets Initial & Reminder Postcards
ОН	31 (1030)	OCAPP Newsletter: Winter 08, Summer 09, Fall10	Webpage & Region 5 ERP Webpage (8223)	2 Email Reminders 1 Reminder Postcard
WI	13 (465)	The Autobody Journal, June/July 2008 WACTAL Newsletter, 2010	Region 5 ERP Webpage (8223 total Pageviews; 1972 files 3 mo in 2010 – limited document data)	3 Factsheets 1 Reminder Postcard

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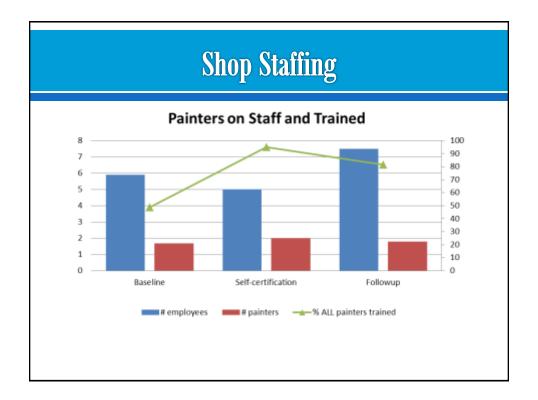
	No Evidence of Spraying Outside Booth	Total Response	% All Spraying in Booth
Baseline	114	148	77%
EPA Followup	134	143	93.7%
no Statistica	ally significant	difference,	if simple

	Primary Booth Comply	Total Response	% Primary Booth Comply	Prep Area Comply	Total Response	% Prep Area Comply
Baseline	80	148	60.6%	18	69	26.1%
EPA Followup	91	138	65.9%	27	39	69.2%
နာ BC			ally signifi	cant diff	erence,	if

	Yes, Have ONLY Compliant Guns	Total Response	% ONLY Compliant Guns					
Baseline	90	155	64.3%					
EPA Followup	83	123	67.5%					
NOTE: We control them. Most counties.	ounted ANY no states already							
not statistically significant difference								

	Fully Enclosed Gun Cleaning	Total Response	% Fully Enclosed
Baseline	133	155	85.8%
EPA Followup	127	144	88.2%

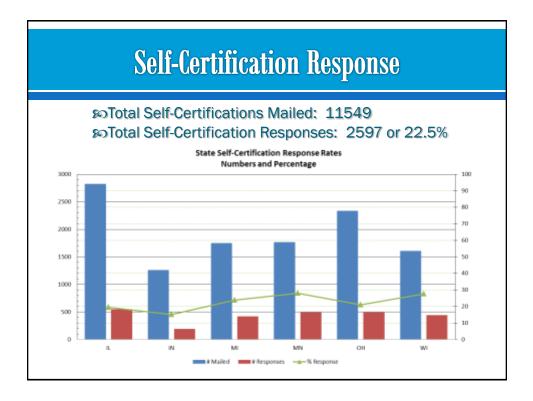
K	Key Indicator — Painter Training									
	Painters Trained	Total Response	% Painters Trained	Training Records	Total Response	% Have Records				
Baseline	77	155	49.7%	63	142	44.4%				
EPA Followup	118	146	80.8%	120	144	83.3%				
	OTH stat mple ra		y significa ample.	nt differe	ence, if					

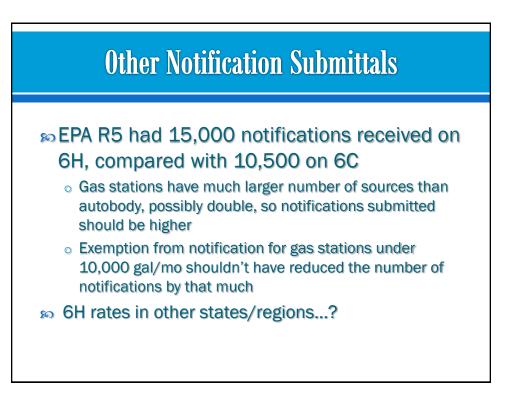


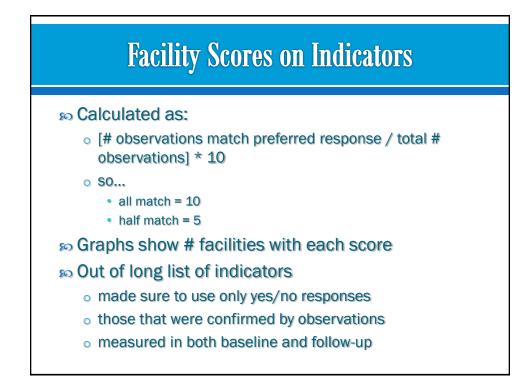
	Use No MeCl in Paint Strippers	Total Response	% Without MeCl
Baseline	4	26	15.4%
EPA Followup	2	20	10.0%
not statistic	ally significan	t difference	

	No. Boot date		
	Yes, Received Info	Total Response	% Received Info
Baseline	107	142	75.4%
EPA Followup	128	142	90.1%
n Statistical random s	ly significant	difference,	if simple

	Key In	dicato	r - Initia	al	Notific	ation	
	Yes, Submitted Form	Total Response	% Submit	C	Differed on EPA List	Actual # Submit	Other
Baseline	92	156	59%	n f	30	100	
EPA Followup	99	138	71.5%	r m	31	91	7 w/o initial submitted NOCS

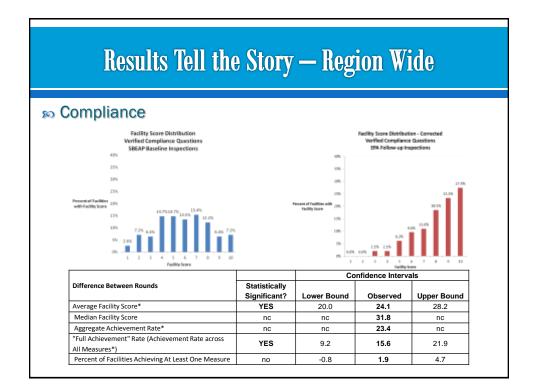


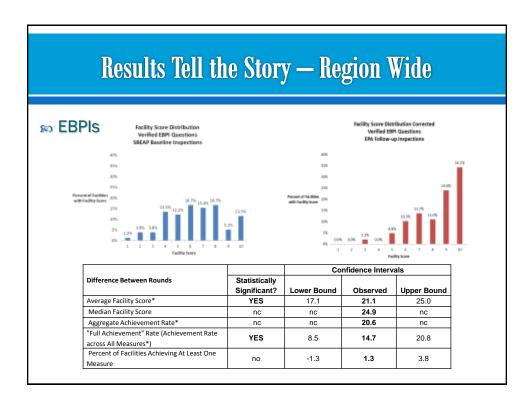


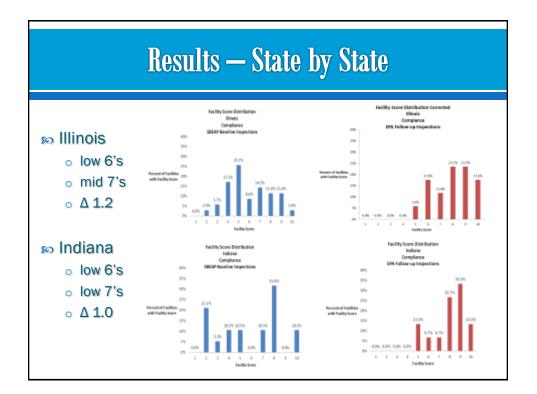


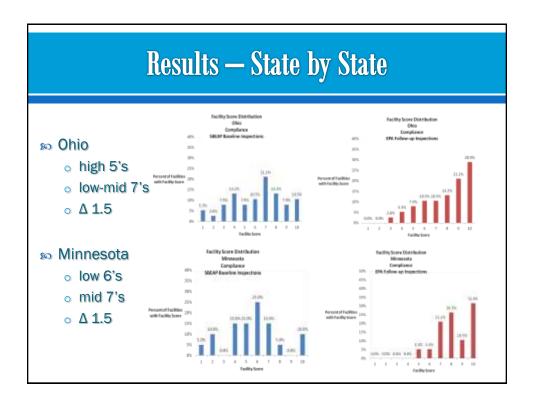


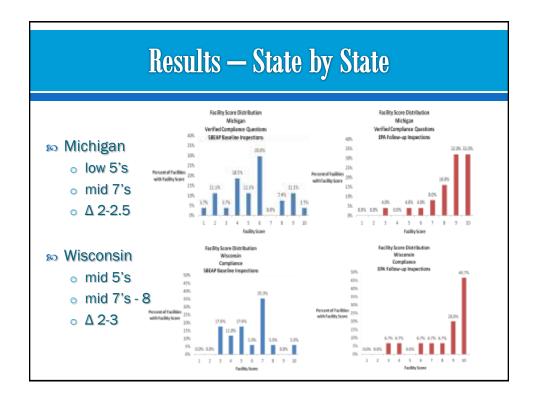
- 80 I6b.: All spray guns comply
- no 18b.: No paint stripping products with MeCl













Compliance Assistance Effort				
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