

P2 IDAHO UPDATE

E3 MOVING FORWARD

An evolving framework for technical assistance

- Continue active engagement of manufacturing
- Work with companies that are actively pursuing continuous improvement
- Integrate pollution prevention into existing Lean Six Sigma training platforms
- Utilize knowledge gained for benchmarking and expanded outreach efforts

Previous three day workshop program

■ Upsides

- High level of interaction among participating companies
- Easy benchmarking
- Rapid knowledge transfer
- High level of trust between participants
- Same industry = shared knowledge and language
- Multiple project opportunities

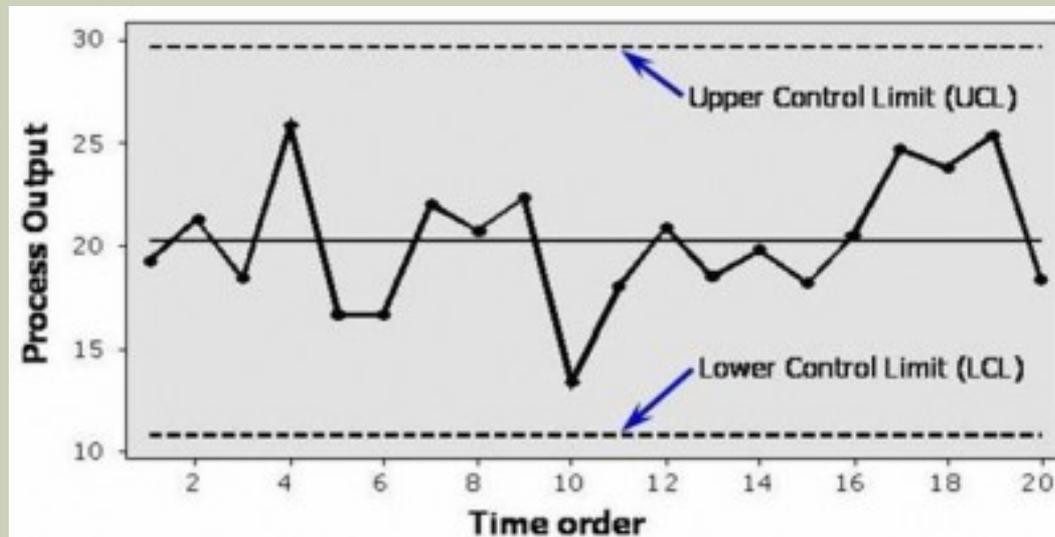
■ Downsides

- Significant time commitment
- Lack of refined expertise from intern participants
- Slow to address long term, data collection heavy projects

E3 MOVE TO SPC FOCUS

■ Partner with Tech Help

- Enroll student interns in a Six Sigma Green Belt Class
- Partner student interns with companies participating in the Green Belt class
- Students, participating companies, TAPs (DEQ & Tech Help) identify projects, collect and analyze data, and propose improvement alternatives



EVALUATING RESULTS

■ Upsides

- Data focused
- Companies and interns learn at the same pace and apply tools together
- Companies already participating (time commitment)
- Strong sense of “value added” for participants
- Information sharing is strong

■ Downsides

- Fewer “quick wins”
- Narrower scope with less evaluation of other potential opportunities
- Diversity of companies prevents direct cross-application of projects/harder to benchmark
- Focus is on applying SPC first, and P2 later

TARGETING VEHICLE IDLING

- Expanding the Clean Air Zone program
- Previously targeting schools
- Expanded to hospitals
- Now reaching out to daycare facilities
- Focus on at risk groups



LOW GWP REFRIGERANTS

- Facility auditing and outreach focusing on drop in replacements with lower global warming impact
- Completed facility wide HVAC audit at Boise State in spring of 2016
 - Identified opportunities for refrigerant replacement
 - Potential CO2 equivalent emissions reduction: 214 metric tons/yr
- Currently auditing chilling equipment at four retail groceries to identify drop in replacement opportunities

GREEN CHEMISTRY OUTREACH

- Safer solvents workshops
 - Providing information on
 - QCAT
 - Green Screen
 - Green Screen List Translator
 - ChemHat
 - Safer Choice
 - Interstate Chemicals Clearinghouse
 - Substitution Portal
- Green Chemistry in the classroom

GreenScreen Hazard Ratings: Dichloromethane																			
Group I Human					Group II and II* Human								Ecotox		Fate		Physical		
C	M	R	D	E	AT	ST		N		SnS*	SnR*	IrS	IrE	AA	CA	P	B	Rx	F
						single	repeat*	single	repeat*										
H	NE	DG	DG	M	M	vH	H	vH	vH	L	DG	H	H	M	L	vH	vL	L	L

PARTNERING WITH THE PPRC

- Painter trainings
 - Best Bath Systems
 - Big Tex Trailers
- E3 audits
 - Payette Brewing's new River Street production facility
- Rapid response
 - Telephone pole re-use
- THANK YOU!



THANK YOU!