

STATES' COMMON MEASURES PROJECT

Groups and Indicators Packet:

(Fill out (electronically) one packet for EACH group your state would be willing to participate in measuring. A packet consists of one Group Evaluation Chart and one set of Indicator Charts. Send completed packets as an attachment to Bill Cass wcass@NEWMOA.org by Tuesday August 22, 2006)

GROUP EVALUATION CHART:

(Enter your state, name of group, and level of interest in the group on the first line. Then mark the appropriate box for each consideration)

STATE	Massachusetts	GROUP	Small Quantity Generators			__ Would do	_x_ Most Interested
<i>Easier to Collect Good Data</i>		<i>Easier</i>	<i>Somewhat difficult</i>	<i>More difficult</i>	<i>More Difficult to Collect Good Data</i>		
Consideration							
Complexity of Metrics							
Single Media	x			Multi Media			
Regulatory or Good Practices Only	x			Both Regulatory and Good Practices			
Few requirements		x		Many Requirements			
Clear Cut Requirements		x		Subjective Requirements			
Complexity of Sector							
Similar Facilities			x	Diverse Facilities			
Small Universe			x	Large Universe			
Prior Experience With Sector							
Existing Sector	x			New Sector			
Existing Data System	x			No Data System			
Existing Common Definitions		x		No Common Definitions			
Known Universe	x			Unknown Universe			
Existing Checklists	x			No Checklists			
Historical Data	x			No Historical Data			
Similar requirements across states		x		Dissimilar requirements across states			
Other Considerations							
<i>More Desirable/Easier Sector</i>		<i>Most desirable</i>	<i>Somewhat desirable</i>	<i>Less desirable</i>	<i>Less Desirable/Harder Sector</i>		
Even distribution of facilities across states			x		Uneven distribution of facilities across states		
Important environmental concern			x		Lesser environmental concern		
Regulated by the states and EPA	x				State only sector		
Ability to link to an environmental outcome				x	Inability to link to an environmental outcome		
Facilities are sophisticated about environmental regulation			x		Facilities are unsophisticated about environmental regulation		
No language barriers			x		Language barriers		
Other (list:)							

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Groups and Indicators Packet:

INDICATOR CHARTS page 1 of 3

Complete one indicator chart for **each** indicator you are proposing for the group (eight charts are provided, copy and paste additional pages if needed)

List your state and group name on each page

For each indicator:

-Provide a number and description (e.g. 1. Stores hazardous waste in properly labeled drums) then indicate data you would use to measure it, and where that data comes from (e.g. prior inspection data from compliance and enforcement files, new inspection or site visit, report, survey etc.)

-Mark the appropriate box for each "data quality indicator" and briefly describe any important data quality issues related to that data quality indicator (e.g. representativeness might be poor because using data from prior inspections and the inspections were not chosen randomly)

STATE	Massachusetts	GROUP	Hazardous Waste Small Quantity Generators
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#	1	Indicator Description	Facility did not exceed the timeliness thresholds for hazardous waste storage			
		Data Source	New inspection results or historic data			
		Data Quality Indicator	good	Okay	Prob-lem	Issue:
		Precision	x			If noncompliance threshold is clearly defined in terms of time period assessed (e.g. past X yrs) and if any lapses are allowed (e.g. NO exceedances at all)
		Sensitivity	x			Sensitivity is not an issue because of yes / no answers
		Representativeness	x			Good, if new data. Potential problem if historic data is used because generally only inspected SQGs if major in some other media or if inspectors suspected problems at facility
		Completeness	x			Easy to gather complete complete information for every inspection
		Bias	x			Should be okay, provided proper training is given, if new inspections.
		Validation				
		Other issue:				

#	2	Indicator Description	Facility did not exceed the quantity thresholds for hazardous waste storage			
		Data Source	Inspection results on file and/or new data			
		Data Quality Indicator	good	Okay	Prob-lem	Issue:
		Precision				Same as #1
		Sensitivity				Same as #1
		Representativeness				Same as #1
		Completeness				Same as #1
		Bias				Same as #1
		Validation				Same as #1
		Other issue:				

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Groups and Indicators Packet

INDICATOR CHARTS cont. page 2 of 3

STATE	Massachusetts	GROUP	<i>Hazardous Waste Small Quantity Generators</i>
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#	3	Indicator Description	The facility manifested all hazardous wastes and used a licensed transporter		
Data Source					
Data Quality Indicator		good	Okay	Problem	Issue:
Precision		x			Same as indicator #1
Sensitivity		x			Same as indicator #1
Representativeness		x			Same as indicator #1
Completeness		x			Same as indicator #1
Bias					Same as indicator #1
Validation					
Other issue:					

#	4	Indicator Description	All hazardous waste containers are properly labeled		
Data Source		Same as indicator #1			
Data Quality Indicator		good	Okay	Problem	Issue:
Precision		x			Provided noncompliance threshold is clearly defined (e.g. ANY barrel with no label, or any barrel with a label that is incomplete or falling off)
Sensitivity		x			Same as indicator #1
Representativeness		x			Same as indicator #1
Completeness		x			Same as indicator #1
Bias		x			Same as indicator #1
Validation					
Other issue:					

#	5	Indicator Description	All hazardous waste containers are in good condition		
Data Source		Same as indicator #1			
Data Quality Indicator		good	Okay	Problem	Issue:
Precision			x		Same as indicator 4, also “good condition” can be somewhat subjective
Sensitivity		x			Same as indicator #1
Representativeness		x			Same as indicator #1
Completeness		x			Same as indicator #1
Bias		x			Same as indicator #1
Validation					
Other issue:					

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INDICATOR CHARTS cont. page 3 of 3

STATE	Massachusetts	GROUP	Small Quantity Generators
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#	6	Indicator Description	All hazardous waste containers are stored on a crack free surface that will contain leaks or spills		
Data Source		Same as Indicator 1			
Data Quality Indicator		good	Okay	Prob- lem	Issue:
Precision		x			“Crack free” might be a little subjective
Sensitivity		x			
Representativeness		x			
Completeness		x			
Bias		x			
Validation					
Other issue:					

#	7	Indicator Description	The facility has posted emergency coordinator names and telephone numbers, fire department telephone numbers, locations of fire alarms and extinguishers and evacuation routes		
Data Source		Same as indicator #1			
Data Quality Indicator		good	Okay	Prob- lem	Issue:
Precision		x			Provided compliance threshold is clear (e.g. must meet all)
Sensitivity			x		Need to clarify whether inspector must verify accuracy of posted info
Representativeness		x			Same as indicator #1
Completeness		x			Same as indicator #1
Bias		x			Same as indicator #1
Validation					
Other issue:					Should these be separated out into individual indicators?

#	8	Indicator Description	The facility has device to summon emergency response agencies		
Data Source					
Data Quality Indicator		good	Okay	Prob- lem	Issue:
Precision		x			none
Sensitivity		x			Does inspector have to verify whether it's working?
Representativeness		x			
Completeness		x			
Bias		x			
Validation					
Other issue:					