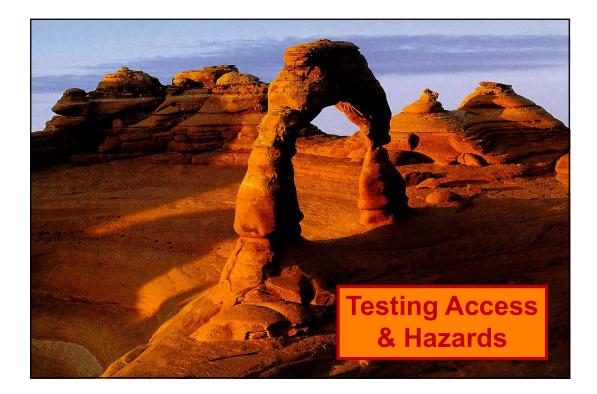


Firefox 9		
US 2013 Protocol Gas Verification Program × Stack Testing Accreditation Council × +	Annual Manager	
		<u>۹</u>
🗿 Moot Visited 🗍 Alte Siche, Kanton Gla 🔮 Getting Started 💫 Latest Headlines 📴 Translation Sites 🧾 NCOA 🏚 Google Docs - Home 👜 Renewable & Alte	rnati 📋 Boiler Efficiency 🔄 ub043.pdf (application	Bookmarks
SIAC		
STACK TESTING ACCRETING COUNCIL		
West West of Association Street and		
Stack Testing Accreditation Council		
ome Page Get Accredited Accredited Organizations About STAC Membership Resources Training Contact		
Accredited Organizations		
Currently Accredited Organizations:		
Interim Accreditation Note: Intern Accreditation confers all the benefits and privileges as Final Accreditation. The only difference being that it requires a successful field and during the intern privid. Presently the field and procedure is being finalized and a online and action and and are posted.		
Air Compliance Testing		
Air Hygiene International		
Air Kinetics		
Airtech Environmental Services		
Avogadro Environmental Corporation		
Avogadro Group		
CK Environmental		
Clean Air Engineering		
C.E.M. Solutions		
Dominion Generation		
Energy and Environmental Measurement (EEMC)		
ENTEC Service		
GE International, Inc		
Golden Specialty		
Grace Consulting		
Horizon / AMTest		
Integrity Air Monitoring		



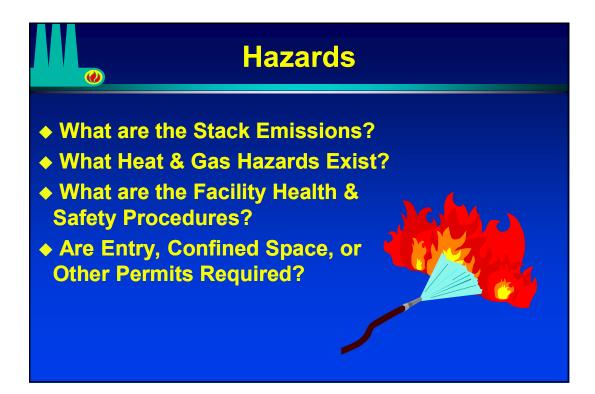


















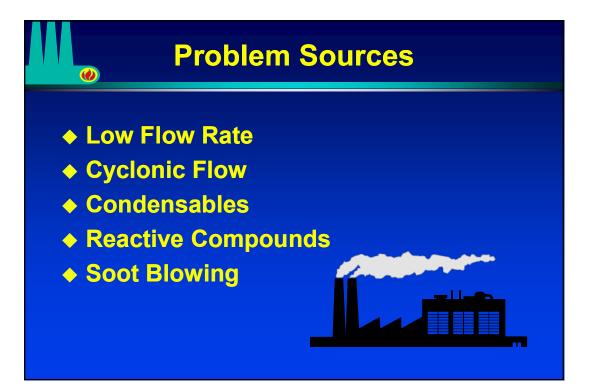










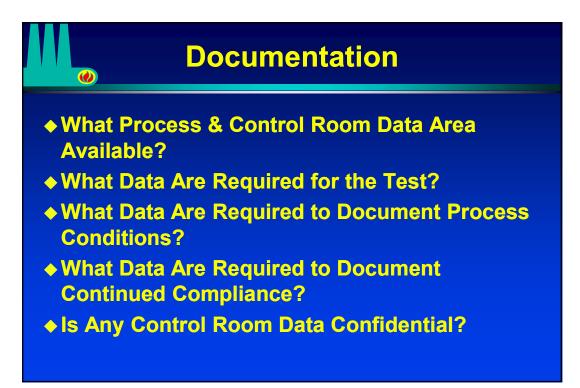




NACT 224 Observing Source Tests





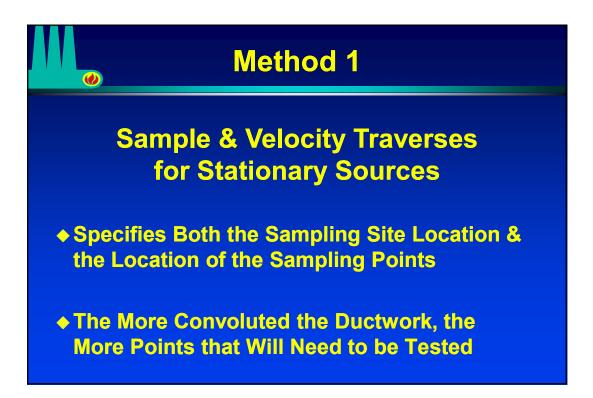




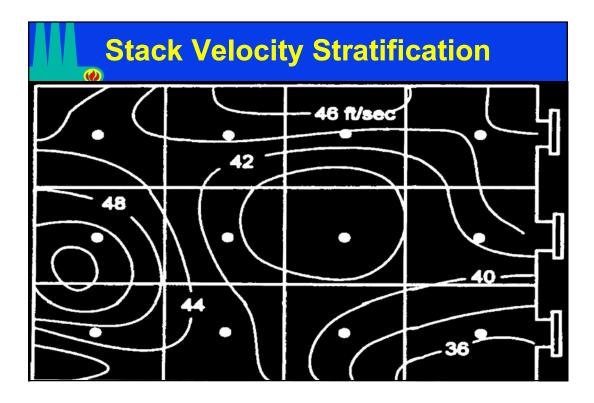


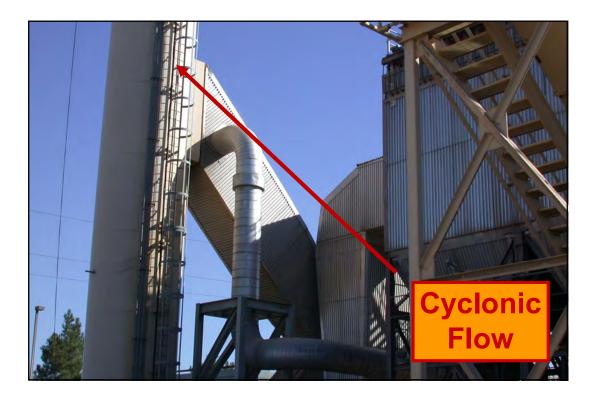
Basic Test Methods Method 1 - Sampling Point Location Method 2 - Stack Gas Velocity Method 3 - Dry Molecular Weight Method 4 - Moisture Content of Stack Gases Method 5 - Particulate Emissions Method 6 - Sulfur Dioxide Emissions Method 7 - Nitrogen Oxide Emissions

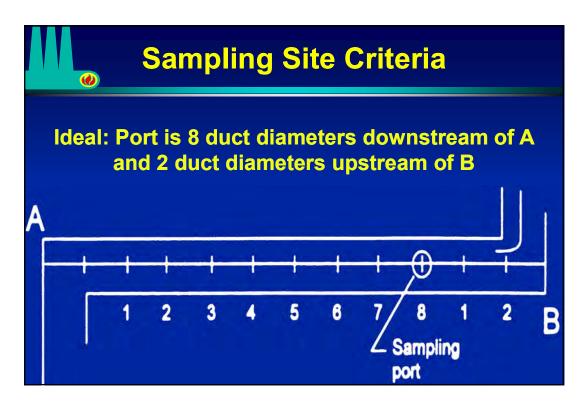




NACT 224 Observing Source Tests



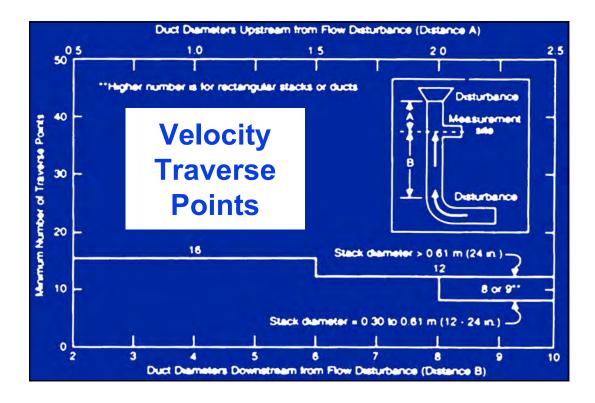


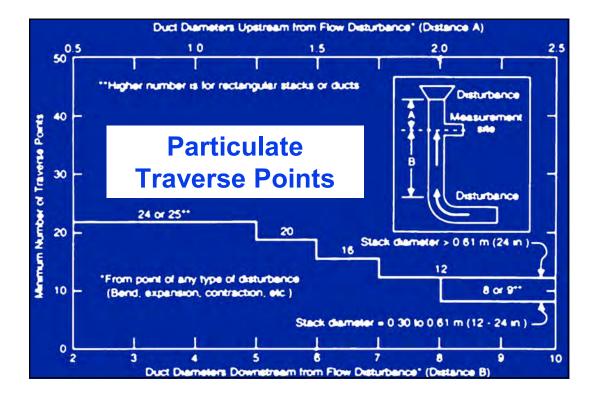


*BLACKFOOT RIVER TAPROOM *BEER TO GO \$350-LITER FILL \$ + O.P.A.
HAE TODAY, THE
Printer (10) The Jones (10)

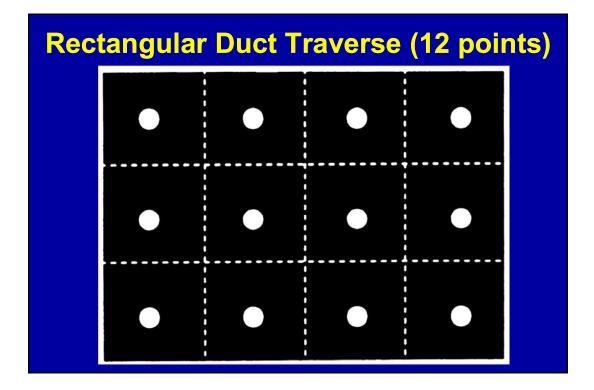


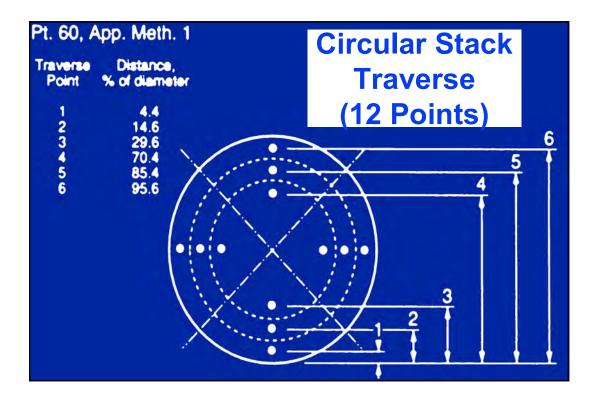




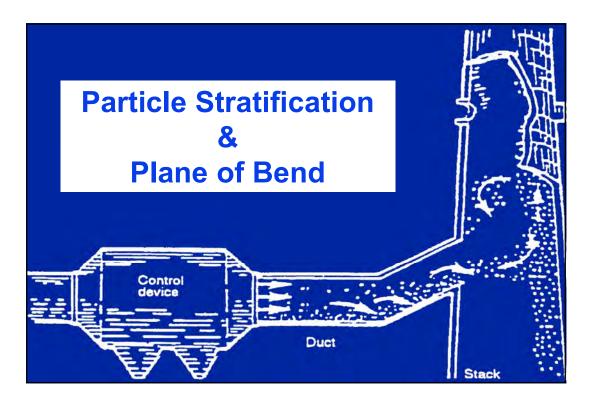


igular Duct Cross	s-Sectio
# of Traverse Points	Matrix
9	3 x 3
12 (example on next slide)	4 x 3
16	4 x 4
20	5 x 4
25	5 x 5
30	6 x 5
36	6 x 6
42	7 x 6
49	7 x 7

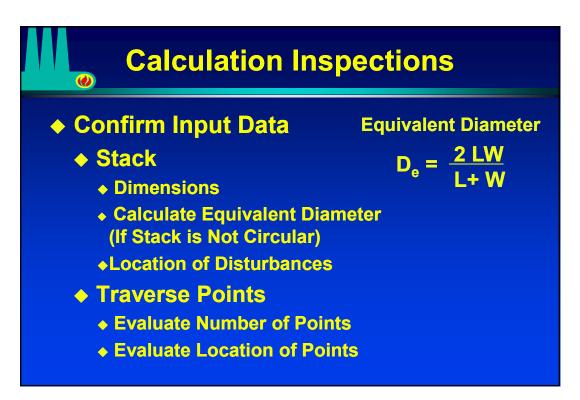


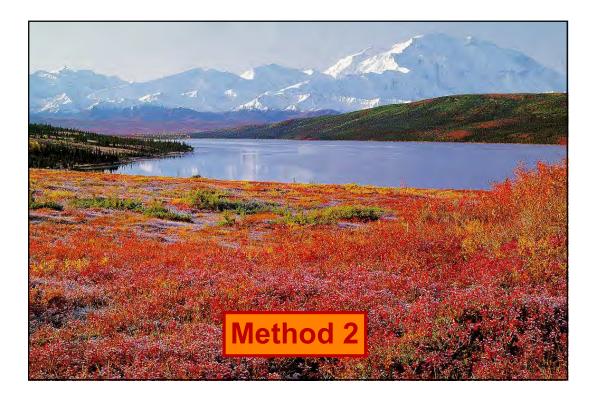


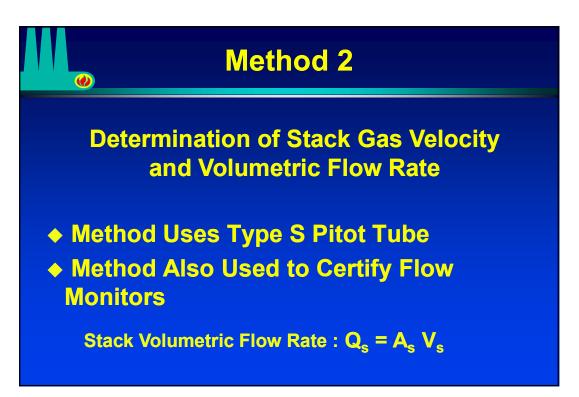
Traverse	Number of traverse points on a diameter											
Point #	2	4	*6	8	10	12	14	16	18	20	22	24
1	14.6	6.7	4.4%	3.2	2.6	2.1	1.8	1.6	1.4	1.3	1.1	1.1
2	85.4	25.0	14.6%	10.5	8.2	6.7	5.7	4.9	4.4	3.9	3.5	3.2
3		75.0	29.6%	19.4	14.6	11.8	9.9	8.5	7.5	6.7	6.0	5.5
4		93.3	70.4%	32.3	22.6	17.7	14.6	12.5	10.9	9.7	8.7	7.9
5			85.4%	67.7	34.2	25.0	20.1	16.9	14.6	12.9	11.6	10.5
6			95.6%	80.6	65.8	35.6	26.9	22.0	18.8	16.5	14.6	13.2
7				89.5	77.4	64.4	36.6	28.3	23.6	20.4	18.0	16.1
8				96.8	85.4	75.0	63.4	37.5	29.6	25.0	21.8	19.4
9					91.8	82.3	73.1	62.5	38.2	30.6	26.2	23.0
10					97.4	88.2	79.9	71.7	61.8	38.8	31.5	27.2
11						93.3	85.4	78.0	70.4	61.2	39.3	32.3
12						97.9	90.1	83.1	76.4	69.4	60.7	39.8
13							94.3	87.5	81.2	75.0	68.5	60.2
14							98.2	91.5	85.4	79.6	73.8	67.7
15								95.1	89.1	83.5	78.2	72.8
16								98.4	92.5	87.1	82.0	77.0
17	Location of								95.6	90.3	85.4	80.6
18									98.6	93.3	88.4	83.9
19			reo	Po	inte	in				96.1	91.3	86.8
20	Traverse Points in									98.7	94.0	89.5
21	Circular Otecho										96.5	92.1
22	Circular Stacks										98.9	94.5
23												96.8
24												98.9

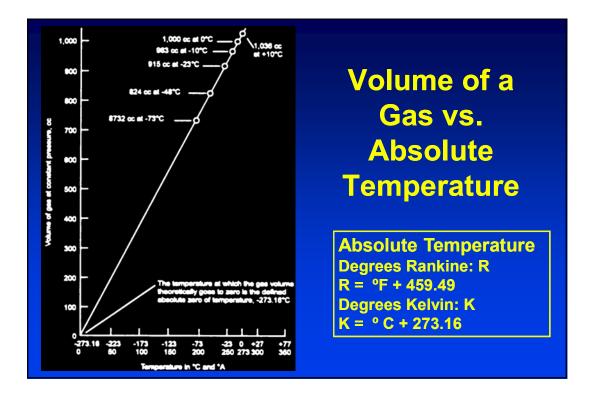


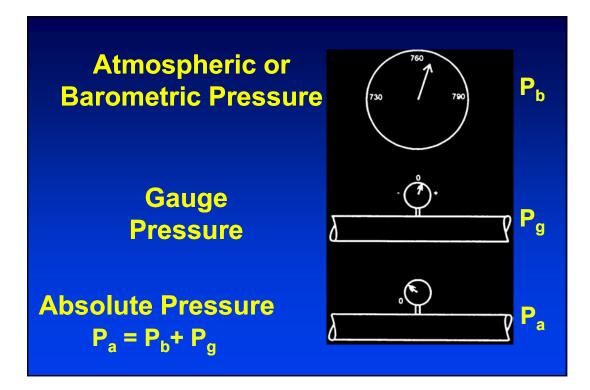


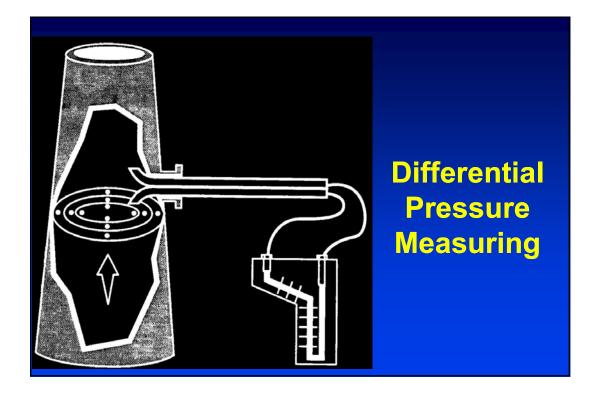


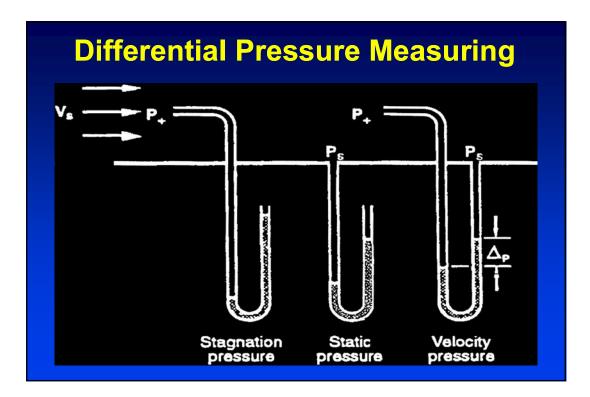


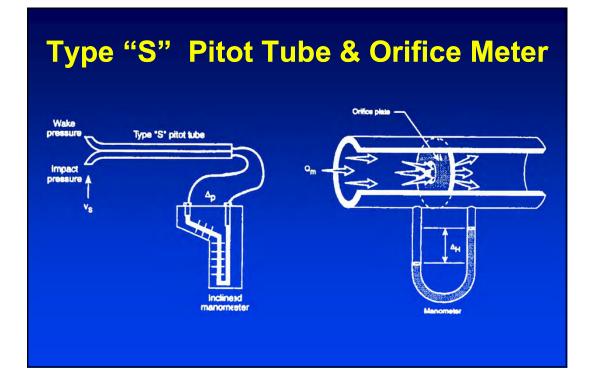


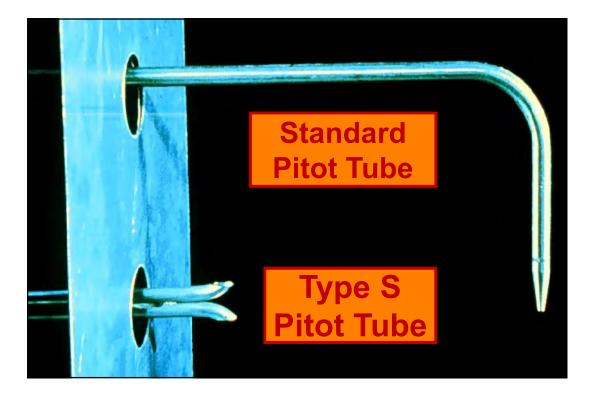


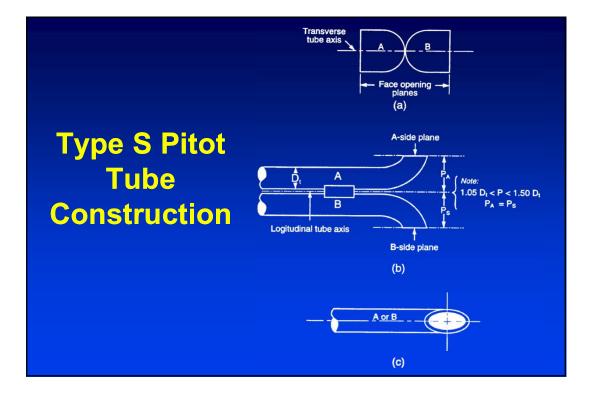


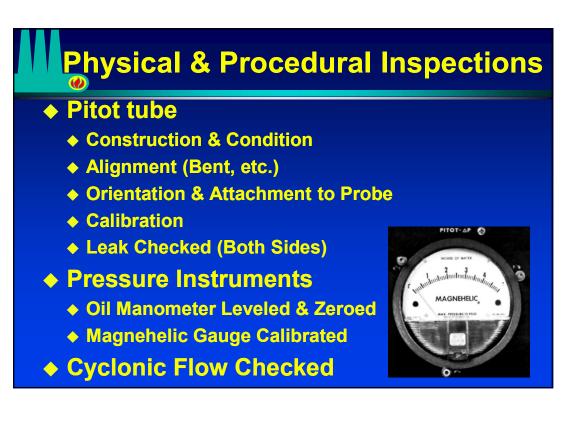


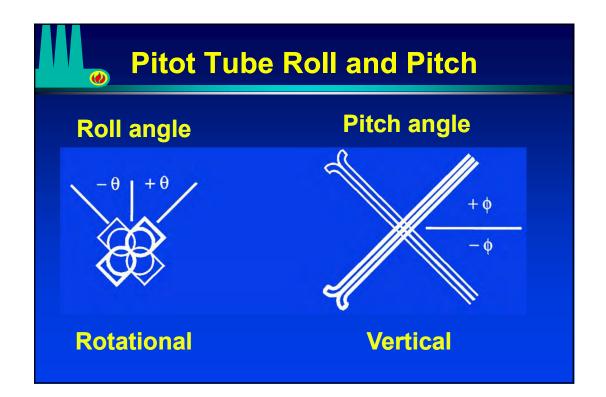


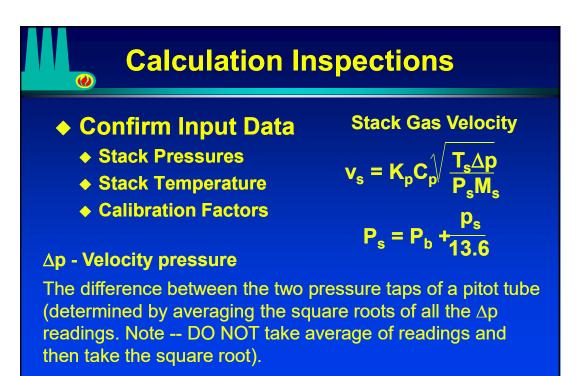


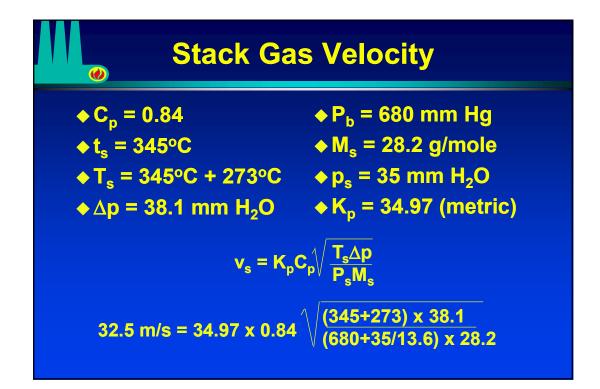


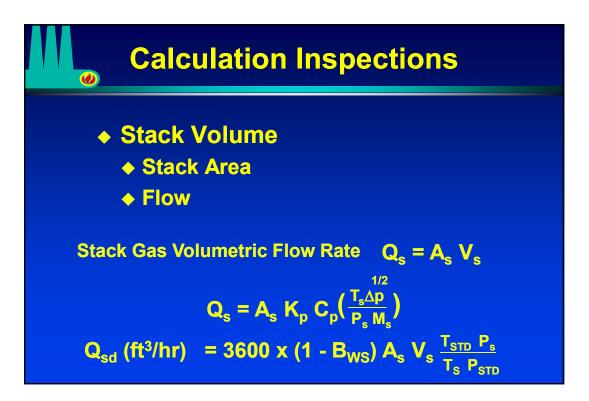


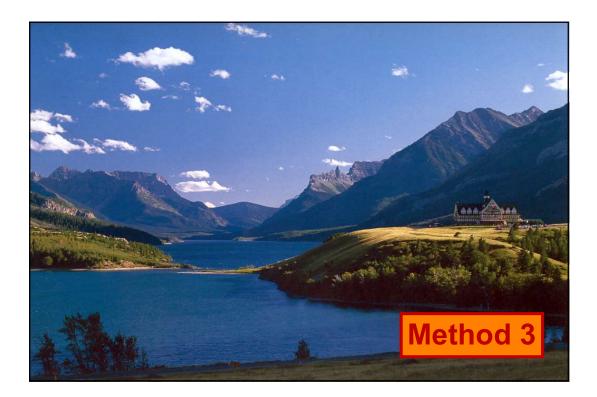


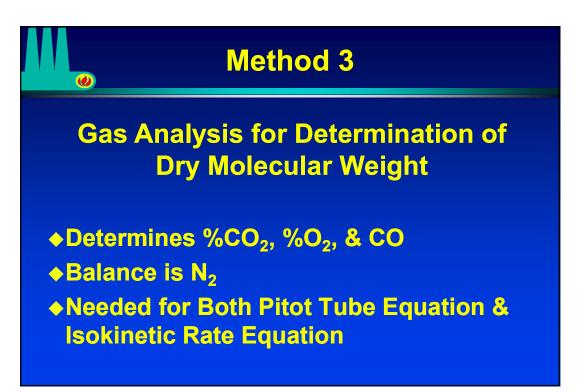


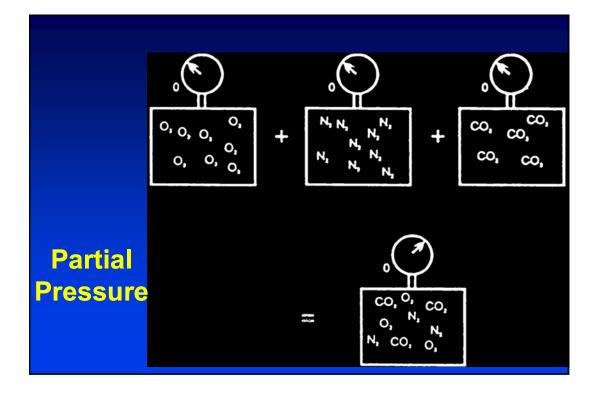


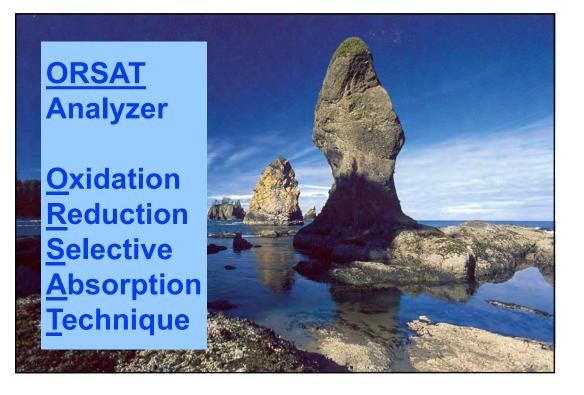


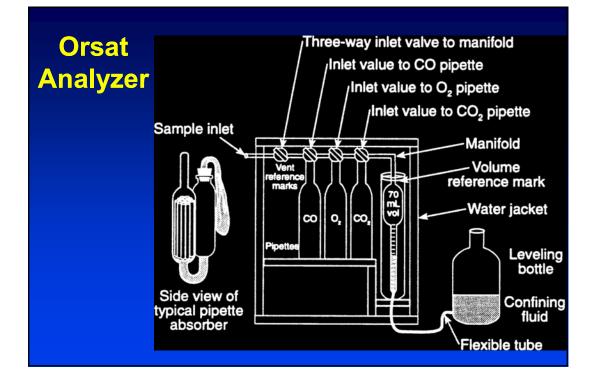






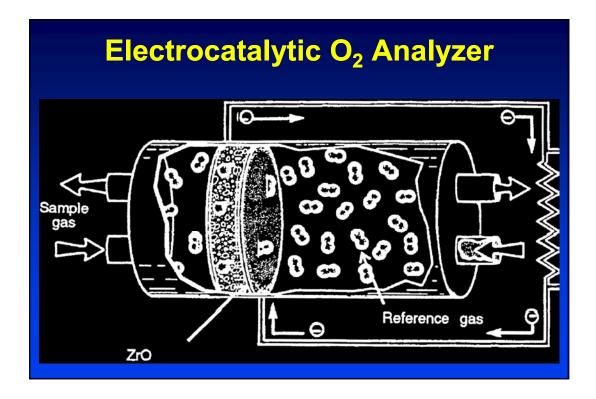


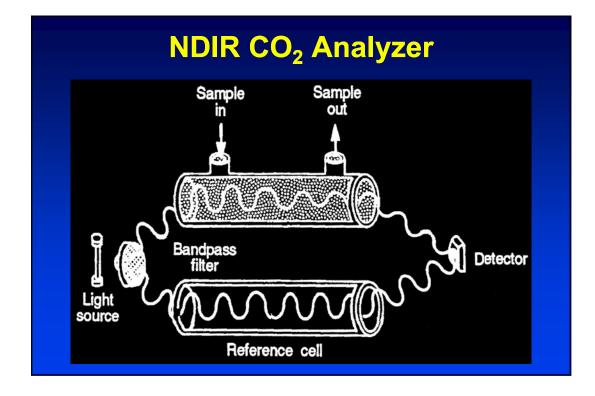




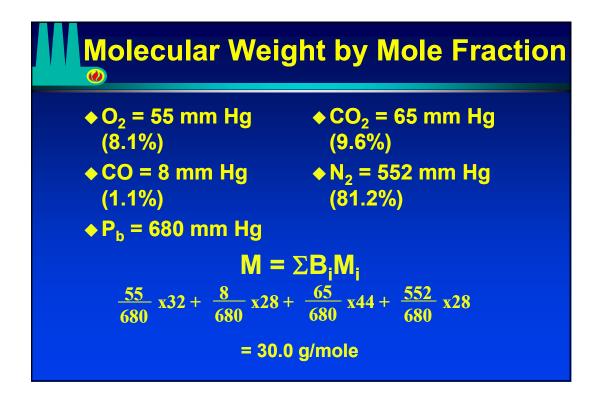




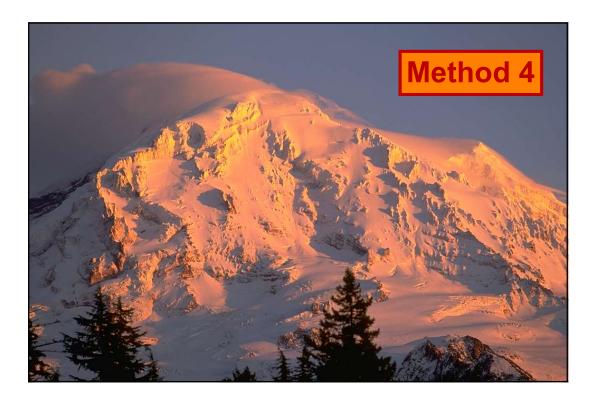


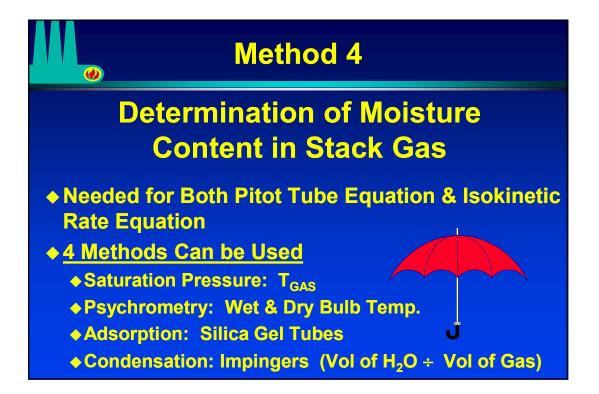


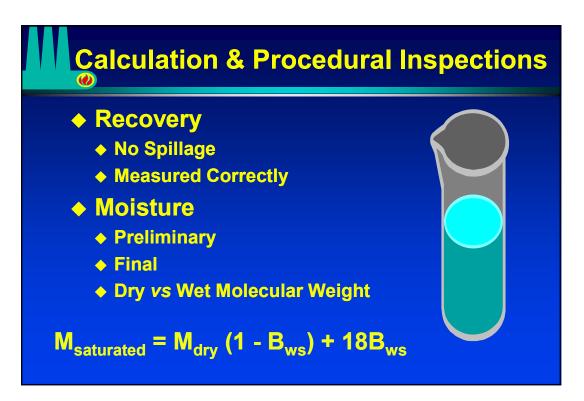


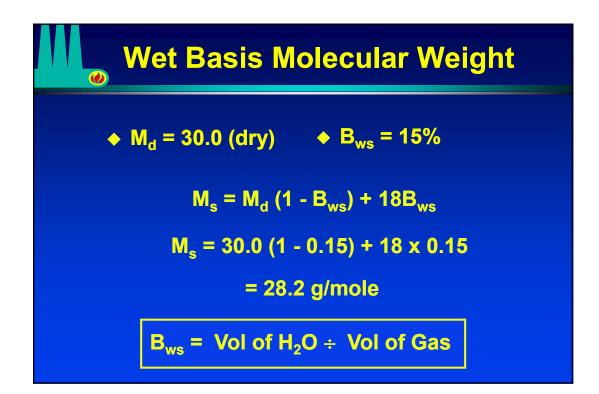


Fuel Type	F,		F.,		F,		Fo
	dscm/) (x10')	ded/ 10º BTU	wacm/J (x10 ²)	ded/ 10" BTU	scm/J (x10*)	eci/ 10º BTU	
Coal:							
Anthracite	271	10,100	2.83	10,540	0.530	1,970	1.016-1.130
Bituminous	2.63	9,780	2.86	10,640	0.484	1,800	1.083-1.230
Lignite	2.65	9,860	3.21	10,950	0.513	1,910	1.016-1.130
Oil	2.47	9,190*	277	10,320*	0.383'	1,420*	1.260-1.413
							1.210-1.370
Gas							
Natural	243	8,710	2.85	10,610	0.287	1,040	1.600-1.836
Propene	234	8,710	2.74	10,200	0.321	1,190	1.434-1.586
Butane	234	8,710	2.79	10,390	0.337	1,250	1.405-1.553
Wood	2.48	9,240			0.492	1,830	1.000-1.120
Wood Bark	2.58	9,600			0.516	1,920	1.003-1.130
Municipal Waste	2.57	9,570			0.488	1,820	

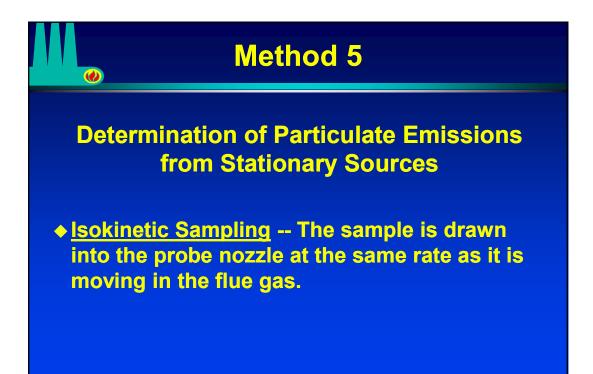




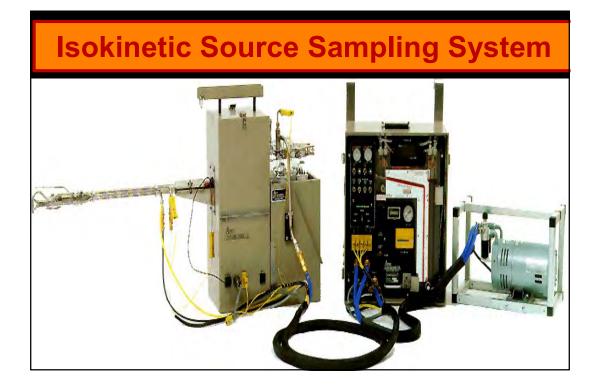


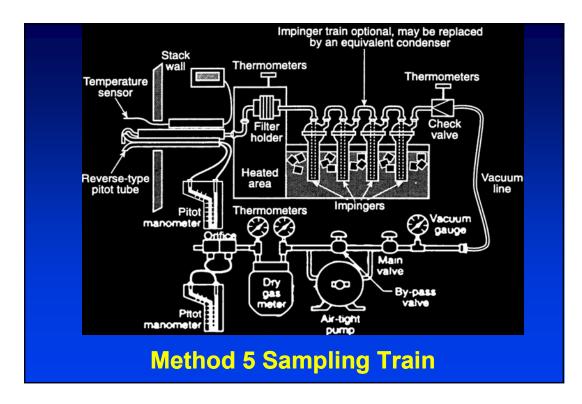


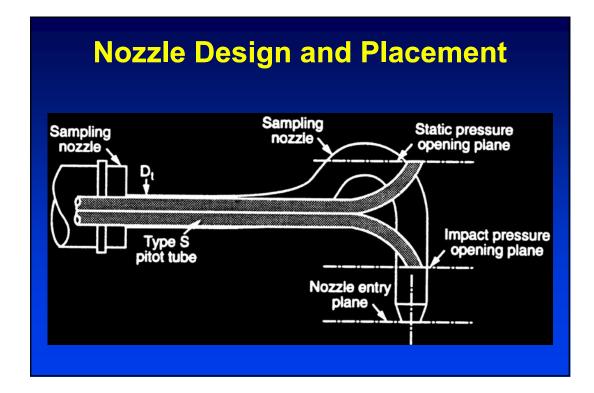




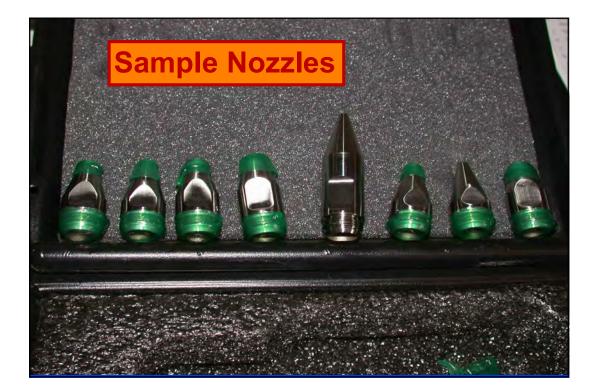




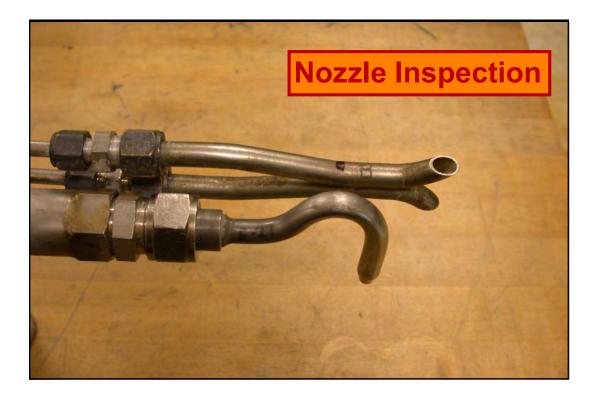


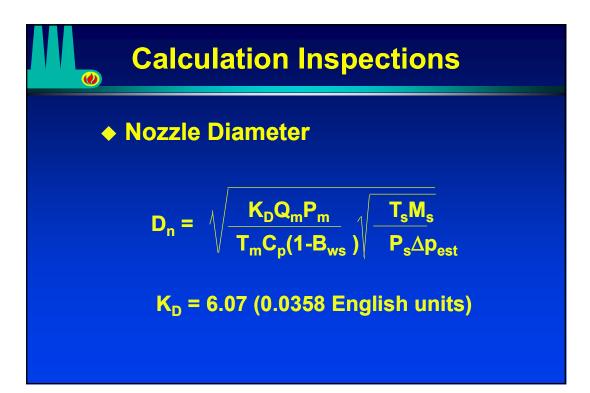


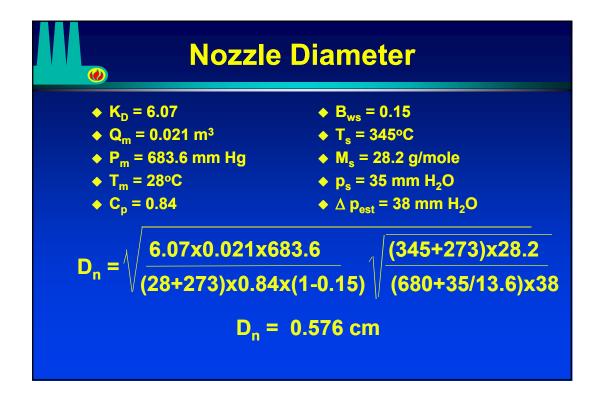


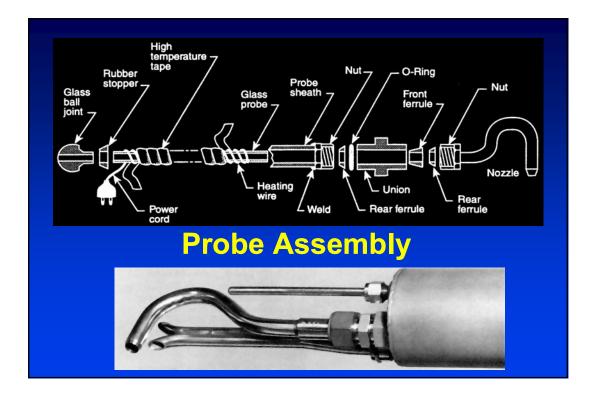


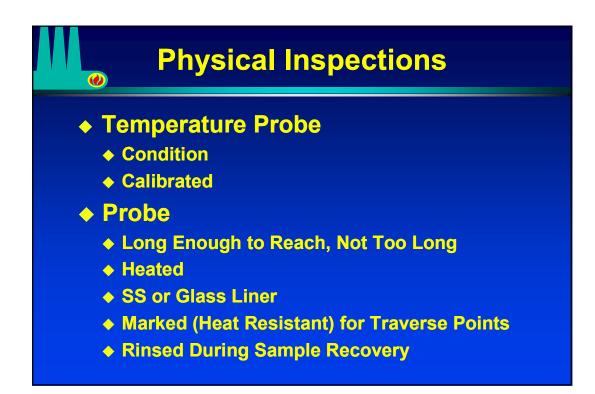


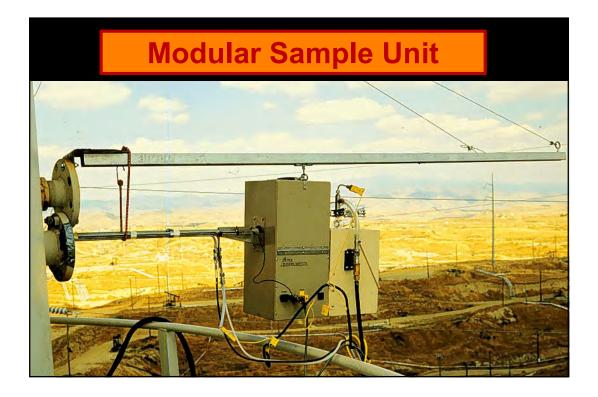


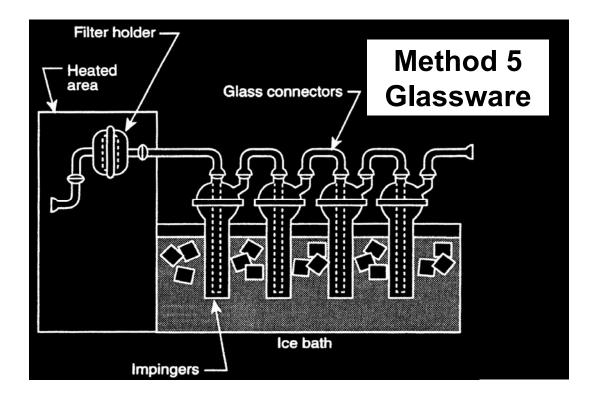


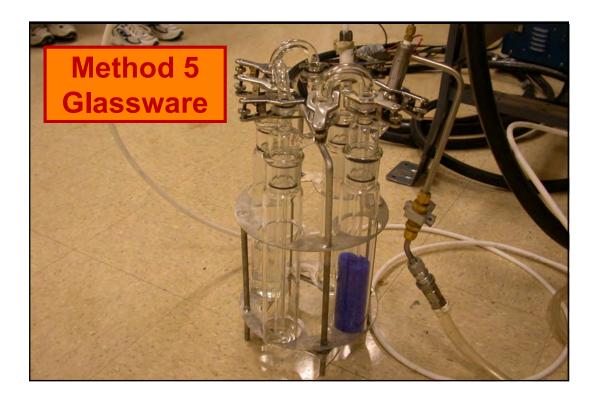


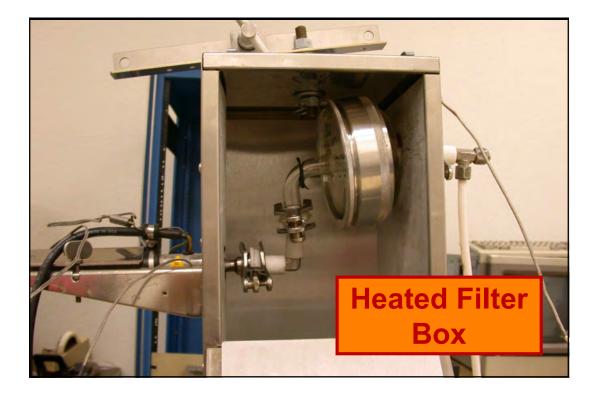






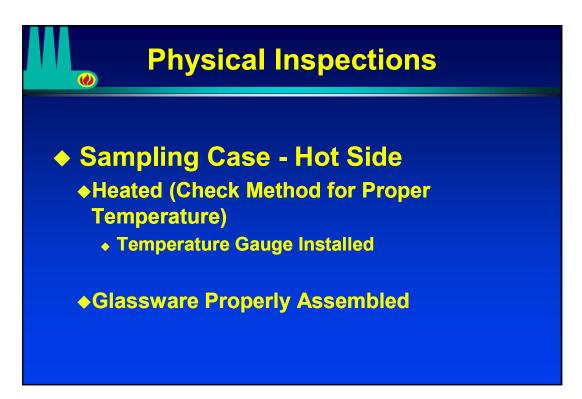
















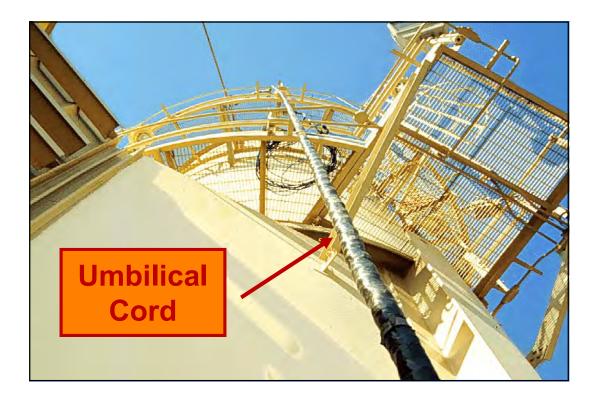


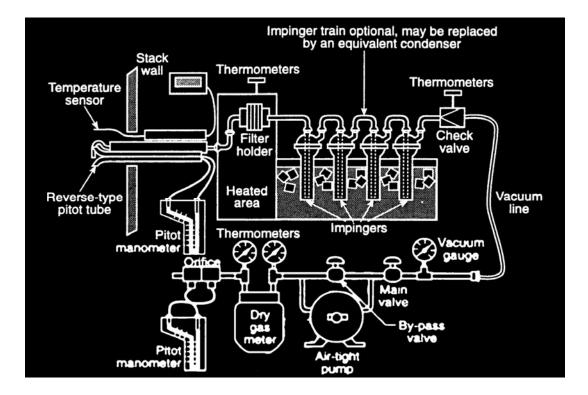




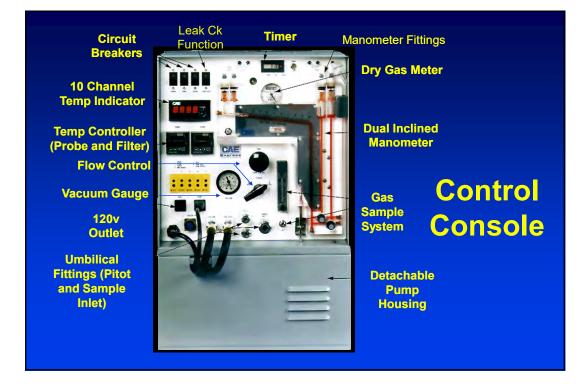




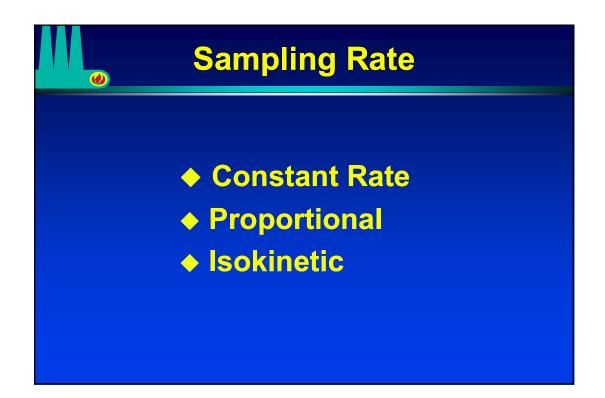




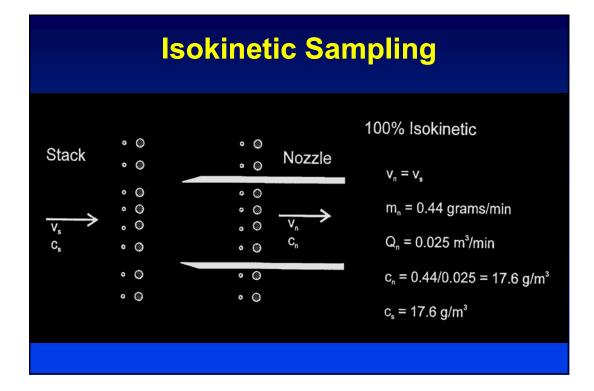


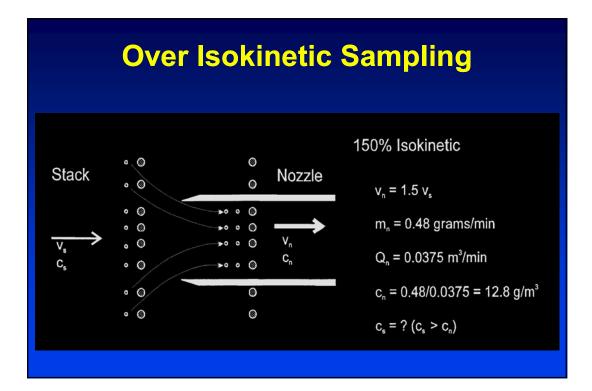


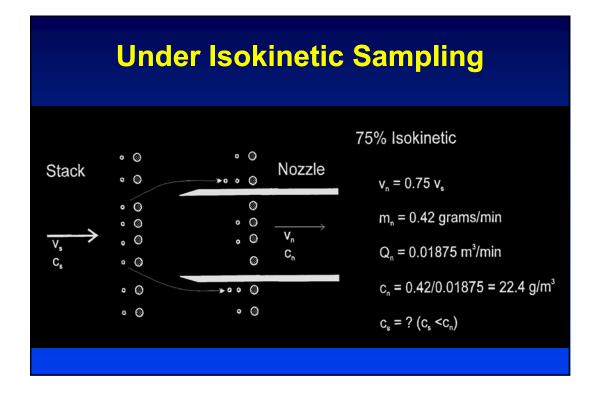


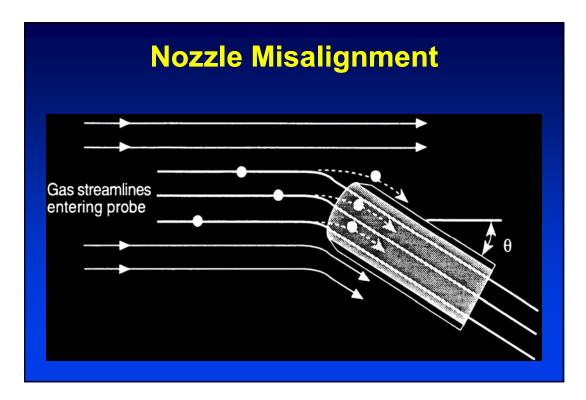


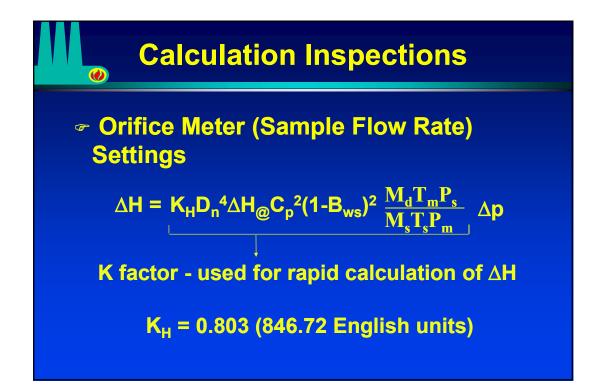


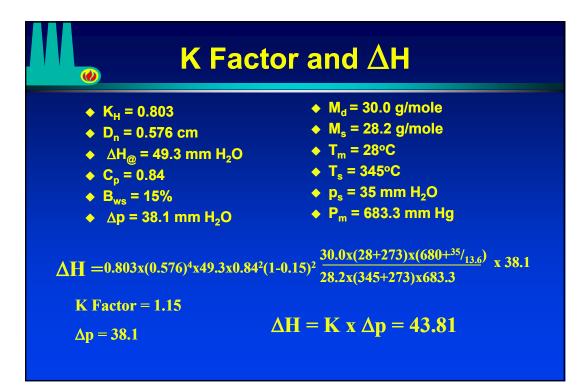






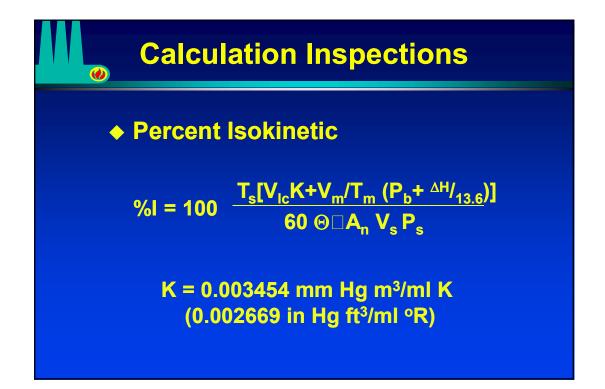


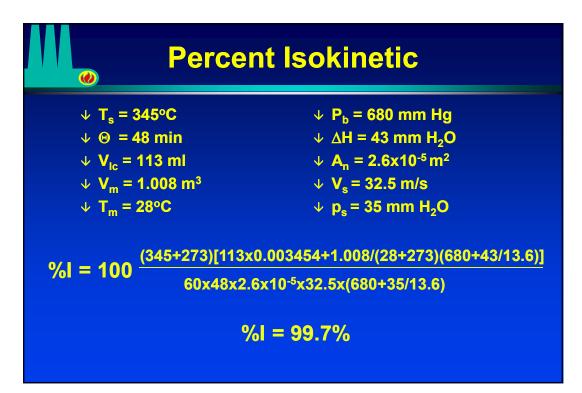








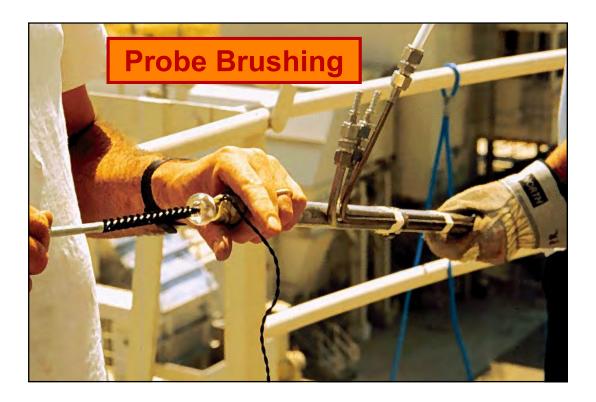


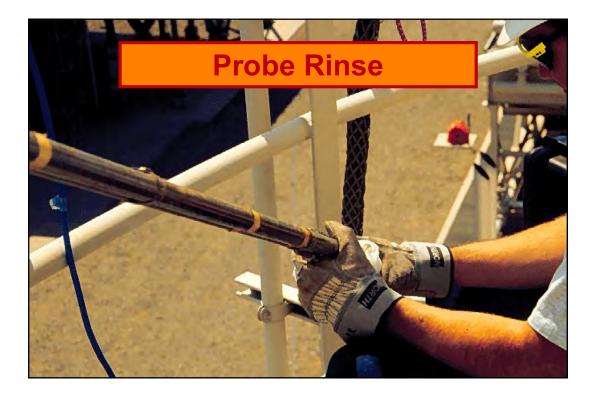














Physical Inspections

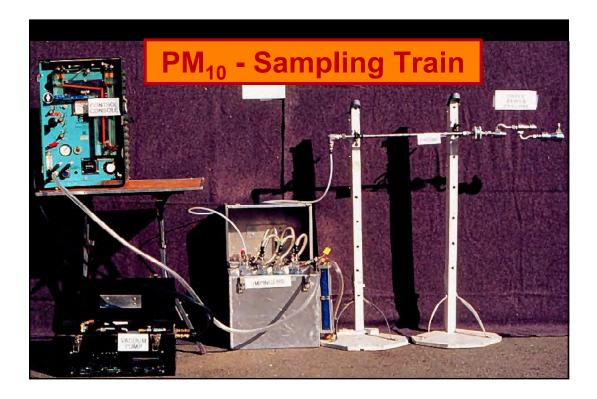
♦ Sample Properly Recovered

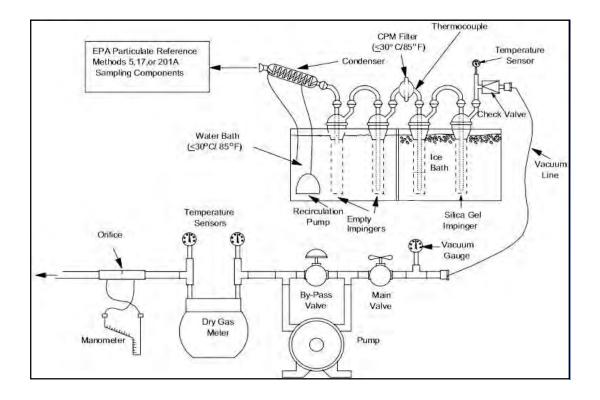
- ♦ Good Particulate Deposit No Evidence of Leaks
- Impinger Solution Weighed &/or Recovered After Sampling
- Rinse Front Half of Filter Holder Back Half Also
- Probe Properly Cleaned

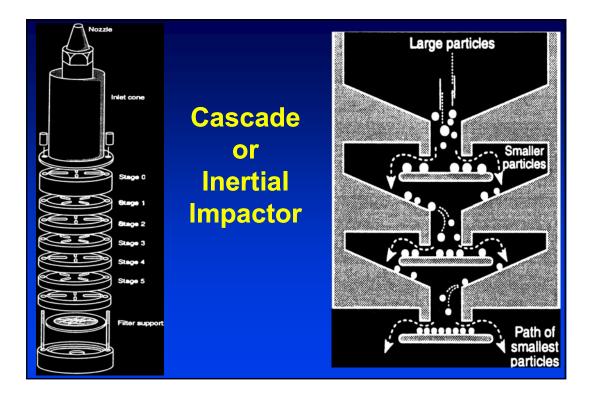
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♦ Filter Properly Weighed

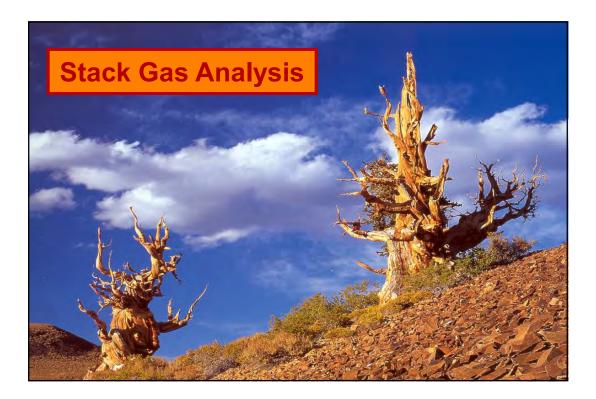


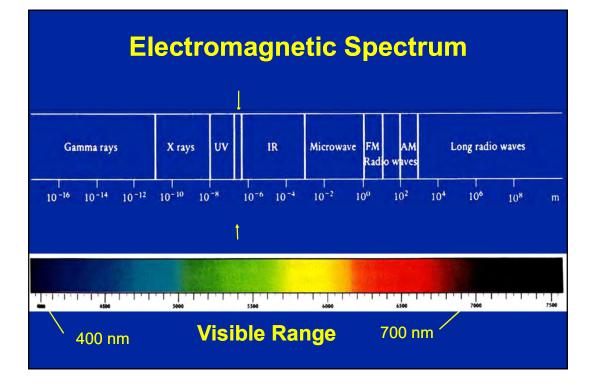


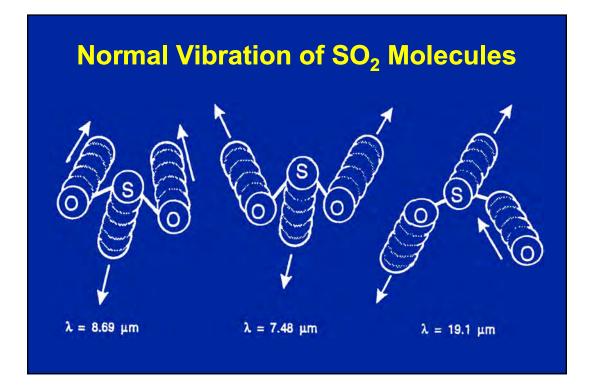


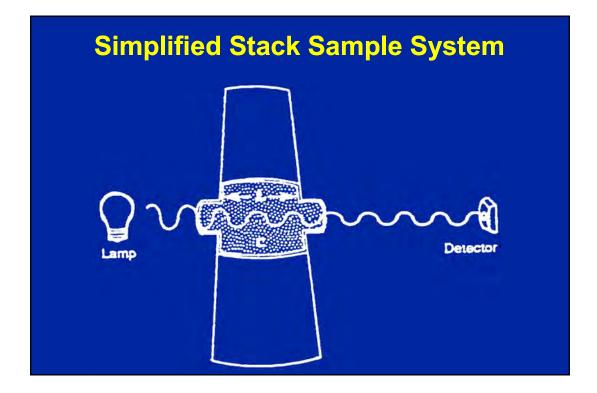


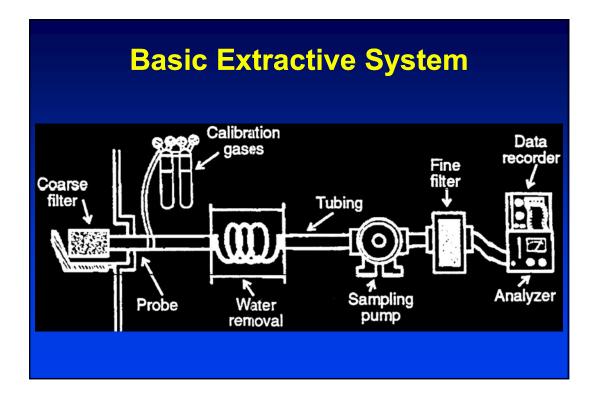


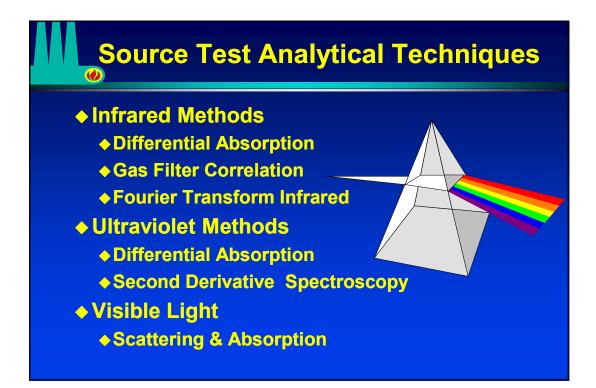


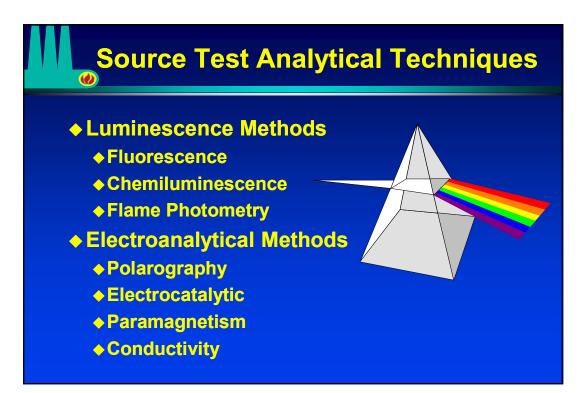


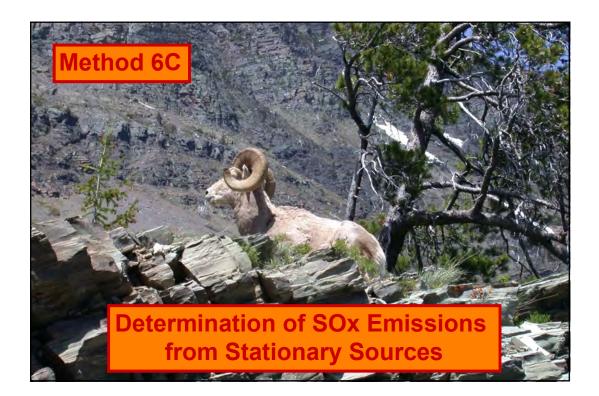


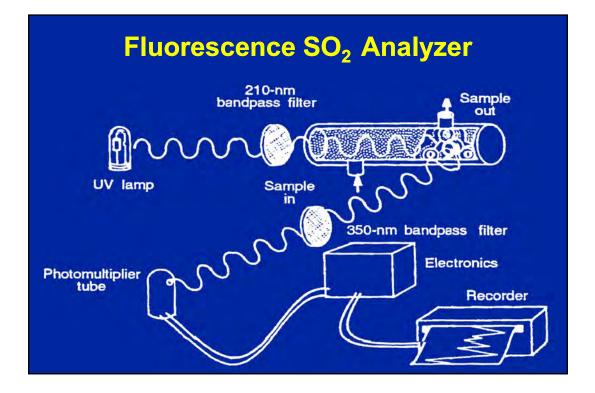


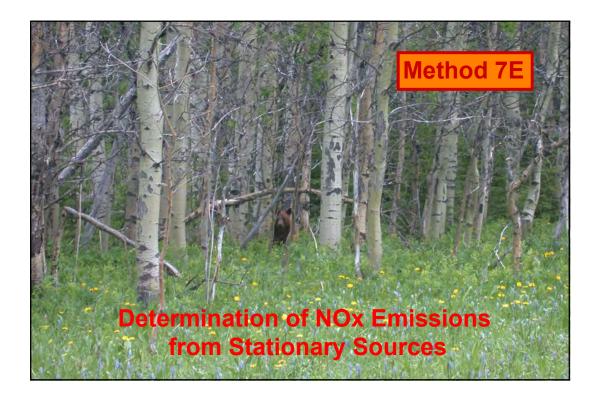


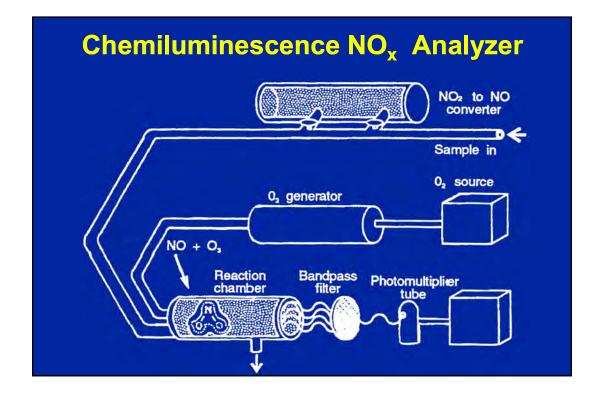




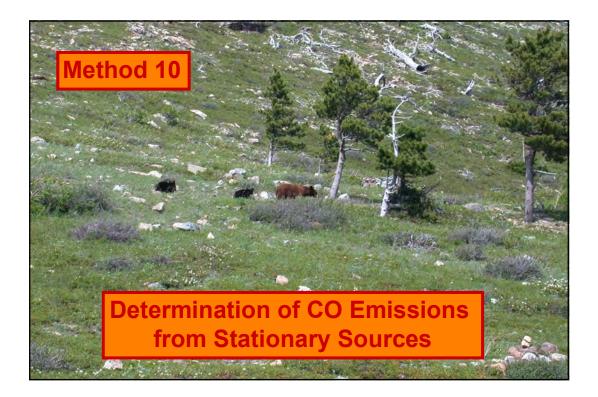


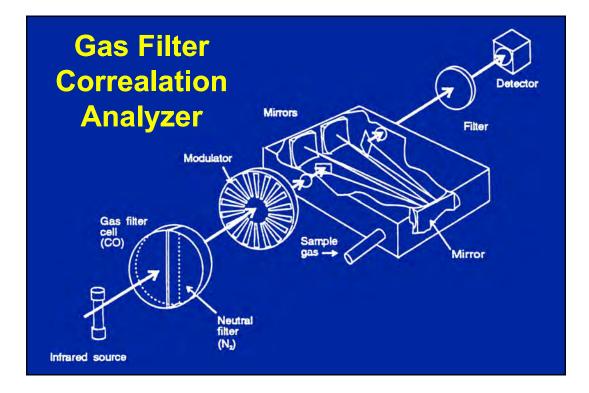














Instrument Inspections

- ♦ Always Check Applicable Method & Subpart
- Instrument Span

- ♦ Calibration Error
 - <+/- 2 % of Span for Zero, Mid, & High Range Gases
- Sampling System Bias
 - <+/- 5% of Span for Zero & Mid or High Range Gases
- Zero Drift & Calibration Drift
 - <+/- 3% of Span Over the Period of Each Run
- Interference Check



Cal Gas Certificate Points

◆ Cylinder ID Number ◆ Reference Standard Data

♦ Balance Gas

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- ♦ Cylinder Pressure
- ♦ Certification Date
- Expiration Date
- ◆ Lab & Analyst ID
- ◆ (PGVP Part 75)

- - Statement of Procedures
 - Certified Concentration
 - ♦ Gas Analyzer ID & Cal Date
 - Analyzer Readings & Calc Used
 - Chronological Cert Record

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lome	The table below lie	to the surrent equiliple ante in EDA's Deste	col Gas Verification Program (PGVP) for stationary source	manitaries. This list is undated. (1) at the	Emissions Monitoring
isic Information	beginning of each	calendar year; (2) whenever an EPA Pro	tocol gas production site joins the program; (3) whenever	r the information for a listed production site	 Part 75 Petition Responses. Rules, Policy, and
here You Live			he list, <u>Historical versions</u> of the table are retained. The vi VP for ambient air monitoring, which is run by EPA's Office		Instructions
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ograms and	production site that	at is listed in the Table on the date that i	t procures the gases, or from a merchant who sells unalte	ered EPA Protocol gases produced by an EPA	Audits FLOW CALC Software
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