

US EPA ARCHIVE DOCUMENT

Jeopardy

Get Outta Here!	By the Numbers	Stick to the Program	Control Yourself!	Potpourri
<u>\$100</u>	<u>\$100</u>	<u>\$100</u>	<u>\$100</u>	<u>\$100</u>
<u>\$200</u>	<u>\$200</u>	<u>\$200</u>	<u>\$200</u>	<u>\$200</u>
<u>\$300</u>	<u>\$300</u>	<u>\$300</u>	<u>\$300</u>	<u>\$300</u>
<u>\$400</u>	<u>\$400</u>	<u>\$400</u>	<u>\$400</u>	<u>\$400</u>
<u>\$500</u>	<u>\$500</u>	<u>\$500</u>	<u>\$500</u>	<u>\$500</u>

Final Jeopardy

Get Outta Here!

\$100 Answer

These generator classes are
exempt from
Subparts AA, BB, and CC



Get Outta Here!

\$100 Question

Who are Small Quantity
Generators (SQGs) and
Conditionally Exempt Small
Quantity Generators (CESQGs)?



Get Outta Here!

\$200 Answer

These units, used for neutralization of corrosive-only hazardous wastes, are exempt from RCRA permitting and air emissions regulations



Get Outta Here!

\$200 Question

What are Elementary
Neutralization Units or ENUs?



Get Outta Here!

\$300 Answer

These typically exempt units
must comply with Subpart AA
and BB provisions if located at
a facility that already has a
RCRA permit



Get Outta Here!

\$300 Question

What are recycling units?



Get Outta Here!

\$400 Answer

Equipment containing or
contacting 10 percent by weight
organic hazardous waste for less
than 300 hours
in a calendar year are
conditionally exempt from these
provisions of Subpart BB



Get Outta Here!

\$400 Question

What are the Subpart BB equipment design standards, inspections, and monitoring requirements?

(Recordkeeping and reporting requirements still apply)



Get Outta Here!

\$500 Answer

This industry has received an administrative stay of certain Subpart CC regulations for their hazardous waste tanks and containers due to potential explosion hazards



Get Outta Here!

\$500 Question

What is the organic peroxide
manufacturing industry?

Recordkeeping and notification
requirements still apply



By the Numbers

\$100 Answer

Subpart CC classification of
tanks and containers used
for waste stabilization

(two-part answer)



By the Numbers

\$100 Question

What are Level 2 tanks and
Level 3 containers?



By the Numbers

\$200 Answer

Clean Air Act method used to
document no detectable
volatile organic emissions



By the Numbers

\$200 Question

What is Method 21?

(Found in 40 CFR Part 60, Appendix A)



By the Numbers

\$300 Answer

Allowable facility-wide
organic emission rates under
Subpart AA

two part answer:
hourly and annual rates



By the Numbers

\$300 Question

What is 3 pounds per hour
and 3.1 tons per year?



By the Numbers

\$400 Answer

Allowable cumulative duration of
planned, routine maintenance per
year – during which time
Subpart CC emissions controls
need not be operating



By the Numbers

\$400 Question

What is 240 hours?



By the Numbers

\$500 Answer

Maximum time frames within
which repairs to surface
impoundment emissions controls
must be initiated and completed
(two-part answer)



By the Numbers

\$500 Question

What are 5 calendar days for the first attempt, and 45 calendar days for repair completion?

(Assuming that no allowable delays apply)



Stick to the Program

\$100 Answer

This phase of the RCRA air emissions regulations will be promulgated if needed to address specific organic constituents or industries



Stick to the Program

\$100 Question

What is Phase III?



Stick to the Program

\$200 Answer

The specific federal law citation
that provides EPA with the
authority and mandate to regulate
air emissions from hazardous
waste facilities



Stick to the Program

\$200 Question

What is Section 3004(n) of the
RCRA Statute?



Stick to the Program

\$300 Answer

Agency responsible for development of numerous RCRA air emissions tools, including model permit modules, inspection checklists, draft information request letters, and other resources



Stick to the Program

\$300 Question

Who is EPA Region 4?



Stick to the Program
\$400 Answer

Effective date of the Subpart CC
regulations

Be careful!
This is not the Federal Register date!



Stick to the Program

\$400 Question

What is
December 6, 1996?



Stick to the Program

\$500 Answer

This innovative EPA program allows for promulgation of alternative RCRA air emissions standards for Merck's Stonewall Plant in Elkton, Virginia and the OSi Specialties Plant in Sistersville, West Virginia



Stick to the Program

\$500 Question

What is Project XL?



Control Yourself!

\$100 Answer

Type of control device where process vent exhaust is routed through a stack to a flame for organics combustion prior to release; flame must be visible at all times



Control Yourself!

\$100 Question

What is a flare?



Control Yourself!

\$200 Answer

Means by which exhaust gases are routed to organic vapor control devices for treatment prior to release



Control Yourself!

\$200 Question

What are closed vent
(hard-piped) systems?



Control Yourself!

\$300 Answer



Control Yourself!

\$300 Question

What is a continuous synthetic membrane cover?

The cover may be used alone if in direct contact with the hazardous waste.

If the cover is NOT in direct contact with the waste, vapors may accumulate in the air space under the cover, and the system must be vented to a control device.



Control Yourself!

\$400 Answer

Thermal vapor incinerators,
catalytic vapor incinerators,
boilers, and
process heaters



Control Yourself!

\$400 Question

What are
enclosed combustion devices?



Control Yourself!

\$500 Answer

Standard efficiency required for
organic vapor recovery systems (e.g.,
condensers, carbon adsorption
systems) under Subpart AA



Control Yourself!

\$500 Question

What is 95 percent by weight
removal of organics in the
waste stream?



Potpourri

\$100 Answer

Distillation, fractionation,
air stripping, steam stripping,
thin film evaporation,
and solvent extraction



Potpourri

\$100 Question

What are the “Big Six”
processes potentially subject to
Subpart AA air emissions
requirements under RCRA?



Potpourri

\$200 Answer

Frequency of reporting for
instances of noncompliance



Potpourri

\$200 Question

What is semi-annually?



Potpourri

\$300 Answer

Equipment used to manage
of a waste stream in the
gaseous state under operating
conditions



Potpourri

\$300 Question

What is the definition of
“gas/vapor service” under
Subpart BB?



Potpourri

\$400 Answer

Two methods that can be used to determine the mass-weighted average VOC concentration at the point of hazardous waste origination for Subpart CC purposes



Potpourri

\$400 Question

What are direct measurement via
Method 25D and application of
waste knowledge?



Potpourri

\$500 Answer

Provides a reference list of
low volatility constituents that
need not be included in the
VOC concentration
determination for Subpart CC



Potpourri

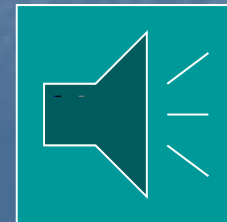
\$500 Question

What is Appendix VI
of 40 CFR Part 265?



Final Jeopardy

The three criteria that a facility must meet to qualify for a Clean Air Act exemption under the RCRA air emissions regulations



Final Jeopardy Answer

What are:

- Subject to, and in compliance with, Parts 60, 61, or 63 of the CAA
- Equipped with and operating active air emissions controls
- Adequate records kept to document CAA compliance

