

0		
Comparison	GDC	RMP
of GDC and RMP	 In place since 1990 	 Promulgated in 1996
	 Applies to stationary sources 	 Applies to stationary sources
	3001003	3001003
	 Requires the management of Extremely Hazardous 	 Includes listed chemicals over
	Substances (EHS), not	threshold quantities in
	limited to a specific list of chemicals	process
	No quantity threshold	 Requires plan submission to EPA
	Statutory duties	 Detailed regulations define requirements



WHO?

Examples of GDC processes



HIL GI

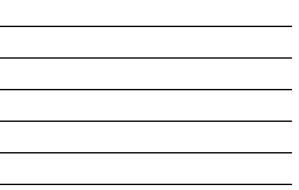


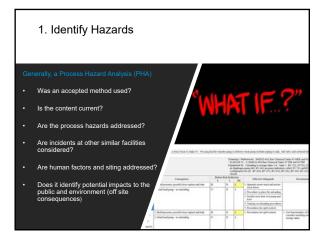
Butane/propane for fueling forklifts (exempt from RMP)

WHO?











3. Minimize Consequences of a Release

- Is there an emergency response/action plan
 in place?
- Does it included notification processes to local responders?
- Are training and drills conducted?
- Is there an incident investigation process?
- Which warning systems are in place?



Enforcement

- Maximum penalty \$37,500 per violation per day
- EPA's 2017 2019 National Enforcement Initiatives include the new initiative: "Reducing Risk of Accidental Releases at Industrial and Chemical Facilities"
- October 11, 2017 National Law Review published an article entitled "EPA Region 1 Increasingly Targeting Ammonia Refrigeration Processes for RMP and General Duty Clause Enforcement"



EPA's National Enforcement Initiative: Reducing Risks of Accidental Releases at Industrial and Chemical Facilities





4

A Few General Example Violations....

Failure to:

- perform or update a hazard assessment
- install detectors, sensors, or alarms
- install, inspect, or replace pressure relief devices
- implement mechanical integrity program
- develop operating procedures

A Few General Example Violations....

Failure to:

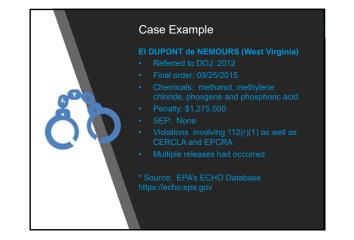
- prepare an emergency response plan that includes
 procedures to alert neighboring businesses or residents
- coordinate response plan with local response agencies
- label piping
- comply with a specific code/standard or industry guideline

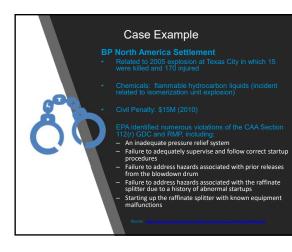
Case Example

Suiza Dairy, Puerto Rico

- Referred to DOJ: 200
- Final order: 2/13/2013
- Chemicals: anhydrous amr
- Penalty: \$275,000
- SEP. \$3.021VI
- 112(r)(7) at two facilities
- Release had occurred

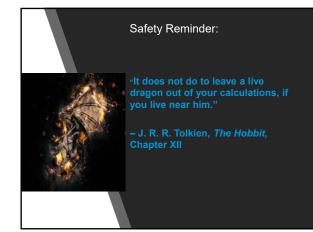
* Source: EPA's ECHO Database https://echo.epa.gov





Key	Takeaways
•	Being UNDER the RMP TQ for a chemical does not mean a facility has NO obligation to be safe/protect the environment
•	Chemicals/processes NOT listed under RMP can be and are subject to GDC
•	It may be difficult to define what is required for a GDC facility in terms of compliance actions – pay attention to industry codes and standards
•	GDC obligations can and are enforceable; disregard can lead to fines or worse – a catastrophic release/fatality







Section 112(r)(1) General Duty Clause Resources and Web Links AHMP National Conference, August 27, 2018

General Duty Clause Guide for Marcellus Shale Gas Drilling Facilities

https://dep.wv.gov/daq/publicnoticeandcomment/Documents/EPA%20GDC%20guide%20unconven tioanl%20drilling%2010_20_11%20FINALdoc.pdf

EPA's National Enforcement Initiative on Reducing Risks of Accidental Releases at Industrial an Chemical Facilities

https://www.epa.gov/enforcement/national-enforcement-initiative-reducing-risks-accidentalreleases-industrial-and

Case Examples

BP North America:

https://www.epa.gov/enforcement/bp-north-america-settlement#violations

EPA's Fact Sheet on GDC

https://www.epa.gov/sites/production/files/2013-10/documents/gdc-fact.pdf

Guidance for Implementation of the GDC

https://www.epa.gov/sites/production/files/documents/gendutyclause-rpt.pdf

List of Compliance Assistance Tools – NH₃ Refrigeration

https://www.epa.gov/sites/production/files/2017-11/documents/complianceassistanceammoniarefrigerationsector0617.pdf

NH₃ Refrigeration List of Key Safety Measures (EPA)

https://www.epa.gov/sites/production/files/2018-05/documents/listofkeymeasurements.pdf

Region III, GDC Inspection Checklist

https://dep.wv.gov/daq/publicnoticeandcomment/Documents/EPA%20GDC%20inpsection%20chec klist.pdf

Kevin Daniel, RMP Coordinator for EPA Region III, presentation on the <u>"Clean Air Act, General Duty</u> <u>Clause (GDC)</u>" at the October 9, 2014 WVDEP Oil and Gas Workshop

https://dep.wv.gov/oil-and-gas/Resources/Documents/WVOilGasPresentation%20-%20EPA%20GDC%20Inspections.pdf