

# Group Work Exercise 2: Developing Inventory of Hazardous Waste

## Part 1 – Identifying wastes and reviewing national classification systems

Objectives:

- Gain awareness of the types of hazardous waste (including hazardous chemicals) that are generated in the upstream oil and gas sector.
- Reflect on existing national procedures and systems for classifying hazardous wastes/chemicals and identify strengths and challenges/constraints in the current procedures.

Exercise:

- Work in teams and elect one documenter and one rapporteur for the group. You have 45 minutes to complete this exercise.
- Identify the major types of hazardous wastes that are generated in home country's upstream oil and gas sector – **List what you consider the top 5 most hazardous waste being generated in upstream oil and gas activities**, e.g., oil-based drilling muds/cuttings, chemicals used for Enhanced Oil Recovery chemicals, sulfur byproducts generated from associated gas treatment/processing, etc.
- To the best of your knowledge, discuss whether or not these identified hazardous wastes are addressed/covered under current national legal frameworks/regulations and/or under the BRS Convention.
- Discuss existing national procedures and systems for classifying hazardous wastes/chemicals and identify strengths and challenges/constraints in the current procedures/systems in home country.

You may record your discussions using this sample table:

Type of hazardous waste (including hazardous chemicals) generated in the upstream oil and gas sector	Covered under national laws/regulations (yes or no)? <ul style="list-style-type: none"> <li>• If yes, specify if possible</li> <li>• If unsure, mark unsure</li> </ul>	Covered under the BRS Convention (yes or no)? <ul style="list-style-type: none"> <li>• If yes, specify if possible</li> <li>• If unsure, mark unsure</li> </ul>
1.		
2.		
3.		
4.		
5.		
Current national procedures/systems for classification of hazardous waste	Strengths	Challenges/constraints

Reference documents

- Download the “IOGP Environmental Management in Upstream Oil & Gas Sector” document in Chemical and Waste Management “Downloads” page

## Part 2 – Creating priority action list to address reporting challenges

Objectives:

- Brainstorm on developing/strengthening a national inventory for hazardous waste from the upstream oil and gas sector.
- Reflect on current challenges/gaps in national reporting to the BRS Convention on hazardous waste from the upstream oil and gas sector and **suggest priority actions which can be taken to address and identify challenges.**

Exercise:

- Work in teams and elect one documenter and one rapporteur for the group. You have 1 hour to complete this exercise.
- Suggest key data/information which must be captured in developing/strengthening a national inventory for hazardous waste from the upstream oil and gas sector. You may use Table 1 as a sample template:

Table 1. Towards establishing a national inventory on hazardous waste for the upstream oil and gas sector.

Types of data/information which should be collected on hazardous waste from the oil and gas industry – towards development of a national inventory	Is this information currently available/currently collected in the country? ✓ Yes X No ? Not sure
1. Definition of hazardous waste	
2. classification system used	
3. volumes	
ETC	

- Discuss current challenges/gaps in national reporting to the BRS Convention on hazardous waste from the upstream oil and gas sector and suggest priority actions which can be taken to address identify challenges. Identify your top 3 challenges and corresponding priority actions. You may use Table 2 as a sample template.

Table 2. Current challenges in national reporting and suggested priority actions.

Top challenges/gaps in national reporting	Current efforts to address these gaps	Additional priority actions needed

1.		
2.		
3.		

*Reference documents*

*English versions can be downloaded directly from Chemical and Waste Management “Downloads” page, but versions in other languages can also be found below:*

- Methodological Guide for the development of inventories of hazardous wastes and other wastes under the Basel Convention:  
<http://www.basel.int/Implementation/Publications/GuidanceManuals/tabid/2364/Default.aspx#>
- BRS Secretariat Practical guidance for the development of inventories of waste oils -  
<http://www.basel.int/Countries/NationalReporting/Guidanceoninventoryofhazardouswastes/tabid/8755/Default.aspx>