**MJV Workshop on Enforcement and Risk Management on
Liquefied Petroleum Gas (LPG) and Liquefied Natural Gas (LNG) Sites
26-28 September 2017, Nicosia, Cyprus**

**Session 1. LPG/ LNG Inspections Strategy**

***Here the participants should discuss how these sites are different and how these differences influence inspections, enforcement and risk management***

***Instructions:***

***Groups should cover at least 2 questions. Question 1 is mandatory for all participants.***

* ***Please look at all the questions together and decide the group’s strategy for the session. You will not be able to answer all the questions so you must decide which questions the group will answer and in what order.***
* ***Rapporteurs/Presenters – Please label your sessions and presentations on the memory stick clearly (e.g., Group 1, Session 1)***

***Therefore, your main tasks are:***

***1) The group should agree on the main questions and the order that they will be discussed. To get this decision on the table, the chair may want to ask group members the types of sites they cover (LPG, LNG; production, storage, distribution; upper vs. lower tier) or if anyone has a strong interest in a particular question.***

***2) The group should choose a rapporteur at the beginning of the session. Rapporteurs should take good notes on a pc and these should be provided to the Chair at the end of the session.***

***Please spend no more than 5 minutes on choosing questions and selecting a rapporteur.***

***3) Discuss the questions and try to provide concrete answers to each. Specific details such as inspection methods, inspection questions, strengths and weaknesses, best and worst case criteria, using real cases from inspections, are all good ways to make your experience useful for other inspectors.***

***4) Before leaving each question, the group should spend 5 minutes brainstorming on inspection questions and tips for inspecting the issues identified by the group. The rapporteur should record all the questions on the memory stick.***

***5) The group should use the last 10 minutes to structure the plenary presentation and decide who will give the presentation.***

***You have 85 minutes. Watch your time and please stay on topic!***

**Topics for Session 1 – Inspection Strategy**

1. **Main challenges in inspecting LPG/LNG sites**

This is a brainstorming question. In answering the questions, consider:

* *small vs.large sites*
* *production vs. distribution vs. storage activities*

**Questions to be considered**

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| What are main differences and similarities between LPG and LNG sites? |
| What are the main challenges in inspection of LPG and/or LNG sites? |
| What challenges (if any) have arisen from the increased use of LPG and LNG in Industry? |

1. **Key considerations for LPG/LNG Seveso sites**What are key differences in inspecting LPG/ LNG sites in comparison to other Seveso sites (culture, competency, understanding of risk, etc)? Give examples associated with specific sites, if possible.

**Questions to be considered**

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| * ***Differences in strategy.***Are there any differences in the inspection strategy for LPG/LNG storage and the end-user companies?
 |
| * ***Other legislative requirements.***Does there exist other legislation or requirements associated with LPG/LNG sites in the country that can influence Seveso enforcement and oversight? If so, what is it and how does it affect Seveso implementation?
 |
| * ***Priorities.***Which measures on site will be priorities for inspection (technical, managerial or organizational) and do they differ between LPG/LNG sites?
 |
| * ***Risk assessment expectations.***How in-depth is the risk assessment that you require from different types of sites, small vs. large, production vs. storage vs. distribution, etc.?
 |
| * ***Risk perception.***What are the inspectors’ experiences in risk perception in LPG sites and is it different from LNG sites?
 |
| * ***Other issues?***
 |

1. **Inspector Competency for LPG/LNG Inspections**What challenges are associated in regard to competency needed to enforce and oversee LPG / LNG SEVESO sites?

**Questions to be considered**

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| ***Strengths and weaknesses.**** What are typical inspector strengths in your country in support of LPG/LNG site inspections?
* What are the weaknesses?
* Give examples involving specific cases, if possible.
 |
| ***Solutions**** How do inspection authorities cope with competency challenges? (Coordinated inspections, third part inspections, etc.)?
* Are there gaps in available tools and training and if so, what kind of additional technical support might be useful?
 |
| ***Guidance*** * What manuals or instructions on SEVESO approach to LPG/LNG inspection are available in your country?
 |
| ***Other issues?*** |

1. **Large sites, small and medium-sized companies, unmanned sites**

**Please answer BOTH Parts 1 and 2**

**Part 1: Large vs. small and medium-size sites**

*What similarities and differences exist between inspection approaches small vs. large LPG/LNG sites? If you see differences, how do these differences influence inspections, enforcement and risk management?*
**Questions to be considered[[1]](#footnote-1)**

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| * Do inspectors in your country generally use checklists, and if so, how are they the same and how are they different for large vs. small sites, LPG vs. LNG?
 |
| * What are some safety management system (SMS) strengths and weaknesses found on large sites? Give examples, if possible
 |
| * What are typical some strengths and weaknesses of SMS on small sites? How detailed an SMS do you expect on small sites? Give examples, if possible.
 |
| * Does your country require a minimum technical knowledge for owners of small LPG sites? If so, how do you/can you enforce on that?
 |
| * Is there the need for risk awareness rising and does it differ from big companies and SMEs? How it can be improved and how we can enforce it?
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**Part 2 Unmanned LPG/LNG sites***If your country has unmanned sites or sites located in other industry and remotely controlled from other sites/countries,* **discuss:**

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| --- |
| * how you perform inspections in these sites
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| * how emergency situations are dealt with
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| * how responsibilities are shared between the operator of site, and the industrial plant where the site is located
 |
| * whether you allow (un)loading operations in unmanned LPG sites (In this case the truck driver is working alone on the site with nobody present to aid in case of accident or to assist public fire brigade in case intervention is needed.)
 |
| * Are requirements/expectations of unmanned sites the same for LPG vs. LNG sites? If not, please explain.
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1. ***Please note:*** *Accident scenarios and risk assessment are the topic of discussion for Break-Out Session 3 and should not be discussed in detail here.* [↑](#footnote-ref-1)