



Methane regulation-LDAR at DSO level



Eurogas Webinar

Part 1: Operators across the value chain

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Eva Hennig Head of Brussels Office

LDAR FREQUENCY ARE DEFINED IN ANNEX I, THE THRESHOLDS OF THE DEVICES WILL FOLLOW IN AN IMPLEMENTING ACT

Design Pressure	Type of Component	Frequency	Frequency
		Typ 1 LDAR-survey	Typ 2 LDAR-survey
	Cast iron Bitumen sheathed	3 months	6 months
	Asbestos Ductile casting	6 months	12 months
Design pressure > 16 bar*	Steel without PPS Copper	12 months	24 months
	PE PVC Steel with Corrosion protection	24 months	36 months
	Compressor stations Regulating and metering station	4 months	8 months
	Valve Station	9 months	18 months
	Cast iron Bitumen sheathed		6 months
	Asbestos Ductile casting		12 months
Design pressure	Steel without PPS Copper		24 months
<= 16 bar	PE PVC Steel with Corresion protection		36 months
	Compressor stations Regulating and metering station		9 months
	Valve Station		21 months

Repair thresholds

• Type 1 LDAR surveys: 7000 parts per million in volume of methane or 17 grams per hour of methane;

B-huqa

• Type 1 2 LDAR surveys:

(i) 500 parts per million in volume of methane or 1 gram per hour of methane for aboveground components
(ii) 1000 parts per million in volume of methane or 5 grams per hour of methane for the second step of LDAR surveys of underground components;

The LDAR surveys shall be carried out with detection devices that allow to identify leaks as follows, for each type of component:

(a) at a level as close as possible to each individual potential emission source for aboveground components and above-sea-level components;

(b) at the interface between ground and atmosphere for underground components as a first step and, where a leak is detected as specified in the implementing act adopted in accordance with paragraph 7, as close as possible to the emission source as a second step;

Minimum detection limit and techniques \rightarrow 12 months after entry into force implementing act EC. Until then use the best available technologies and the best available detection techniques



LEAK DETECTION & REPAIR AND THE QUANTIFICATION OF LEAKS CAN BE OPERATIONALLY OPTIMIZED



LDAR and MRV shall be combined as best as possible to save time and resources

During the OGMP reporting we developing together with industry specialists' new ways to detect and quantify the emissions

Regular operational procedures like function controls or maintenance of components can be used for measurements but the resources have to be planned ahead e.g. measurement devices, time schedules

Documentation of measurement devices and methods, results, sampling, repairs, is key to prepare for the audits and the onsite visits of the authority.