



Brussels, **XXX**
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ANNEXES 1 to 8

ANNEXES

to the Proposal for a

REGULATION OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL

on methane emissions reduction in the energy sector

ANNEX I

Part I – Content minimum requirements of the leak detection and repair programmes

The leak detection and repair programmes referred to in Article [xx] shall include at least the following elements:

- (i) Inventory and identification of all components to be checked
- (ii) [to be completed]

Part II – Content minimum requirements of the post survey repair and monitoring schedule

Repair schedule

The repair schedule referred to in Article [xx] shall include at least the following elements:

- (i) Inventory and identification of all components that have been checked
- (ii) Result of inspection in terms of whether methane loss has been detected and, if so, size of loss
- (iii) For components found to be emitting [500 parts per million] or more of methane, indication of whether repair was undertaken during the LDAR survey and if not why, taking into account the requirements as regards what elements can be taken into account for a delayed repair, as per Article X, paragraph 4.
- (iv) For components found to be emitting [500 parts per million] or more of methane, planned repair schedule indicating planned date of repair,
- (v) For components found to be emitting less than [X parts per million] in previous LDAR survey, but found to be emitting [X parts per million] or more of methane during post LDAR monitoring to check whether the size of loss of methane has evolved, indication whether repair was undertaken immediately and if not, why not (as per iii), and planned repair schedule indicating planned date of repair.

This shall be followed by a post repair schedule to indicate when repairs were effectively carried out.

Monitoring schedule

The monitoring schedule referred to in Article [xx] shall include at least the following elements:

- (i) Inventory and identification of all components that have been checked
- (ii) Result of inspection in terms of whether methane loss has been detected and, if so, size of loss
- (iii) For components found to be emitting [X parts per million] or more of methane, results of monitoring after repair to check if repair was successful

(iv) For components found to be emitting less than [X parts per million] of methane, results of post LDAR monitoring to check whether the size of loss of methane has evolved and recommendation on the basis of finding.

ANNEX II

Pursuant to Articles [16, 25 and 29] of this Regulation, operators shall report at least the following information on methane flared or vented to the competent authorities:

- (i) name of the operator;
- (ii) name and type of [facility/asset];
- (iii) equipment involved;
- (iv) date(s) and time(s) that venting or flaring was discovered or commenced and terminated;
- (v) measured or estimated volume of vented or flared natural gas;
- (vi) cause and nature of venting or flaring;
- (viii) steps taken to limit the duration and magnitude of venting or flaring; and
- (ix) corrective actions taken to eliminate the cause and recurrence of venting or flaring.

ANNEX III

Flare stack inspections

[Weekly inspections should be conducted which includes a comprehensive Audio, Visual and Olfactory (AVO) inspection (including external visual inspection of flare stacks, listening for pressure and liquid leaks and smelling for unusual and strong odours). During the inspection the operator shall inspect all components, including flare stacks, thief hatches, closed vent systems, pumps, compressors, pressure relief devices, valves, lines, flanges, connectors, and associated piping to identify defects, leaks and releases.

The following observations should be included in the report:

In the case of lit flares: whether combustion is considered adequate or inadequate. Inadequate combustion being defined as a flare with visible emissions that exceed a total of five minutes during any two consecutive hours.

In the case of unlit flares: whether the unlit flare has a gas vent or not. If it does have a gas vent, an intervention to remedy it should take place within 6 hours or within 24 hours in the case of bad weather or other extreme conditions.]

ANNEX IV

[To be completed – inventory of closed or abandoned assets, pursuant to Article 18]

ANNEX V

[To be completed:

Part 1 on emissions factors methodology for surface coal mines,

Part 2 on elements for measurement of post-mining emissions and

Part 3 on elements of reporting, pursuant to Article 20]

ANNEX VI

[To be completed – elements for reports under Article 22, fissures in strata]

ANNEX VII

[To be completed:

Part 1 inventory of closed or abandoned coal mines and

Part 2 reporting, pursuant to Articles 26 and 27]

ANNEX VIII

Information to be provided by importers pursuant to Article [30]:

- (i) Name of producer/exporter or name of trader
- (ii) Where the energy was produced
- (iii) Whether the exporter is undertaking comprehensive measurement of its methane emissions in compliance with United Nations Framework Convention on Climate Change tier 3 reporting or according to levels 4 or 5 of the Oil and Gas Methane Partnership standards;
- (iv) Whether the exporter is undertaking reporting of its methane emissions, either in the context of reporting of methane emissions as part of national inventories in line with the requirements of the United Nations Framework Convention on Climate Change or as a company member of the Oil and Gas Methane Partnership or, in the case of coal, is applying an international or EU standard for monitoring, reporting and verification of methane emissions;
- (v) Whether the exporter applies regulatory or voluntary measures to control its methane emissions, including measures such as leak detection and repair surveys or measures to control and restrict venting and flaring of methane.