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Z246.2-18
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Emergency preparedness and response for petroleum and natural gas industry systems

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Z246.2-18

September 2018

Title: *Emergency preparedness and response for petroleum and natural gas industry systems*

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National Standard of Canada

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Published in September 2018 by CSA Group
A not-for-profit private sector organization
178 Rexdale Boulevard, Toronto, Ontario, Canada M9W 1R3

To purchase standards and related publications, visit our Online Store at store.csagroup.org
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ICS 13.200
ISBN 978-1-4883-1545-9

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Preface

This is the second edition of CSA Z246.2, *Emergency preparedness and response for petroleum and natural gas industry systems*. It supersedes the previous edition published in 2014.

This Standard provides requirements for a continual improvement process to develop, implement, maintain, and evaluate an emergency preparedness and response program that helps operators in the industry to be prepared to respond to an emergency that affects people, the environment, or property.

While this Standard provides requirements specific for an emergency preparedness and response program, it also acknowledges the use of the pillars of emergency management (EM); those being prevention/mitigation, preparedness, response, and recovery within an organizations emergency and continuity management program, which is covered in in CSA Z1600.

In developing this Standard, previous and existing standards were used. These include but are not limited to, legislation, best practices, policies, standards, and applicable codes.

This Standard was prepared by the Technical Committee on Emergency Preparedness and Response for Petroleum and Natural Gas Industry Systems, under the jurisdiction of the Strategic Steering Committee on Petroleum and Natural Gas Industry Systems, and has been formally approved by the Technical Committee.

This Standard has been developed in compliance with Standard Council of Canada requirements for National Standards of Canada. It has been published as a National Standard of Canada by CSA Group.

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- 1) *Use of the singular does not exclude the plural (and vice versa) when the sense allows.*
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 - a) *Standard designation (number);*
 - b) *relevant clause, table, and/or figure number;*
 - c) *wording of the proposed change; and*
 - d) *rationale for the change.*

Z246.2-18

Emergency preparedness and response for petroleum and natural gas industry systems

1 Scope

1.1

This Standard establishes criteria for emergency preparedness and response for the petroleum and natural gas industry systems.

Note: *Prevention, continuity, and recovery are addressed in other standards.*

1.2

This Standard applies to petroleum and natural gas industry systems (see Figures 1 and 2), including

- a) pipeline systems handling
 - i) oil;
 - ii) gas;
 - iii) oil-field water;
 - iv) liquid products;
 - v) multi-phase fluids;
 - vi) slurries; and
 - vii) system supports, including
 - 1) meter stations;
 - 2) compressor stations;
 - 3) pump stations;
 - 4) tank farms;
 - 5) terminals; and
 - 6) all assets that support Items 1) to 5);
- b) liquefied natural gas (LNG) production, storage, and handling facilities;
- c) storage or disposal of hydrocarbons in underground formations;
- d) petrochemical installations, including
 - i) refineries;
 - ii) gas processing plants;
 - iii) liquefied petroleum gas plants;
 - iv) synthetic natural gas plants; and
 - v) coal gasification plants;
- e) oil and gas exploration, development, production, treatment, processing, and storage operations not covered in Items a) to d);
- f) oil sands facilities; and
- g) petroleum and natural gas wells.