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## Proposed Change 1377

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<b>Code Reference(s):</b>	<b>NPC20 Div.B 2.2.3.2. (first printing)</b>
Subject:	Materials and Equipment
Title:	Introduction of Requirements for Oil Separators
Description:	This proposed change adds requirements for oil separators to the NPC by introducing a reference to CAN/ULC-S656-14, "Standard for Oil-Water Separators."
Related Code Change Request(s):	CCR 955

This change could potentially affect the following topic areas:

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| <input type="checkbox"/> Division A                                | <input checked="" type="checkbox"/> Division B             |
| <input type="checkbox"/> Division C                                | <input type="checkbox"/> Design and Construction           |
| <input type="checkbox"/> Building operations                       | <input type="checkbox"/> Housing                           |
| <input checked="" type="checkbox"/> Small Buildings                | <input checked="" type="checkbox"/> Large Buildings        |
| <input type="checkbox"/> Fire Protection                           | <input type="checkbox"/> Occupant safety in use            |
| <input type="checkbox"/> Accessibility                             | <input type="checkbox"/> Structural Requirements           |
| <input type="checkbox"/> Building Envelope                         | <input type="checkbox"/> Energy Efficiency                 |
| <input type="checkbox"/> Heating, Ventilating and Air Conditioning | <input checked="" type="checkbox"/> Plumbing               |
|  | <input type="checkbox"/> Construction and Demolition Sites |

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### Problem

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Currently, there are no provisions in the NPC for oil separators (also referred to as oil interceptors) intended for the collection and separation of non-soluble, non-emulsified petroleum and allied petroleum products.

The lack of performance requirements for oil separators could create enforcement issues that could lead to failure or an inability to prevent the aforementioned products from being discharged into drainage systems, which could lead to the release of hazardous substances or to explosions or fires, which could lead to harm to persons.

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## Justification

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Introducing a reference to CAN/ULC-S656-14, "Standard for Oil-Water Separators," into the NPC would provide stakeholders with performance requirements for oil separators and would allow authorities having jurisdiction to ensure that products and their installation conform to these requirements.

This proposed change would limit the risk of fire or explosion and help protect downstream water supplies and systems from free oils, which can create issues for water treatment operations.

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## PROPOSED CHANGE

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### **[2.2.3.2.] 2.2.3.2. Interceptors**

- [1] 1)** *Interceptors* shall be designed so that they can be readily cleaned.
- [2] 2)** Grease *interceptors* shall
  - [a] a) be designed so that they do not become air bound, and
  - [b] b) not have a water jacket.
- [3] 3)** Grease *interceptors* shall be selected and installed in conformance with
  - [a] a) CSA B481.0, "Material, design, and construction requirements for grease interceptors", and
  - [b] b) CSA B481.3, "Sizing, selection, location, and installation of grease interceptors".(See Note A-2.2.3.2.(3).)
- [4] --)** Oil *interceptors* intended for the collection and separation of non-soluble, non-emulsified petroleum and allied petroleum products shall conform to CAN/ULC-S656-14, "Standard for Oil-Water Separators."

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## Impact analysis

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The proposed change would allow authorities having jurisdiction to enforce minimum requirements for oil separators and would improve life safety and protection of the environment.

The proposed change would require that officials work to enforce this new requirement. However, the extra work would benefit building users and provide a safer environment for all.

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## Enforcement implications

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The proposed change can be enforced, and its enforcement would not require an increase in resources.

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## Who is affected

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Engineers, plumbers, designers, building owners, contractors and regulators.

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## OBJECTIVE-BASED ANALYSIS OF NEW OR CHANGED PROVISIONS

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[2.2.3.2.] 2.2.3.2. ([1] 1) [F81-OH2.1,OH2.3,OH2.4]

[2.2.3.2.] 2.2.3.2. ([2] 2) [F81-OH2.1,OH2.3,OH2.4] [F46-OH2.2]

[2.2.3.2.] 2.2.3.2. ([3] 3) [F81-OH2.1]

[2.2.3.2.] 2.2.3.2. ([3] 3) [F81-OP5]

[2.2.3.2.] -- ([4] --) [F43-OH5]

[2.2.3.2.] -- ([4] --) [F81-OS1.1]