



Professional Engineering Memorandum - Addendum to City of Edmonton Design and Construction Standards Volume 4: Section 1 – January 2024

February 6, 2024

Purpose:

The January 2024 “Addendum to City of Edmonton Design and Construction Standards Volume 4: Section 1” provides an update to fire protection requirements to align with the City of Edmonton Zoning Bylaw Renewal. The update is based on analysis performed by Edmonton Fire Rescue and supported by a development industry stakeholder committee.

Updates:

A summary of the changes below are based on the August 29, 2023 version of the *Fire Flows for Zoning Bylaw Renewal – A Status Quo Approach* report by Edmonton Fire Rescue Services:

Current Section:	Changes:	Date										
1.12.4: Table 1.3	Updated Fire Flow based on Zoning: <table border="1" data-bbox="443 1199 1261 1402"> <thead> <tr> <th>Parameter</th> <th>Value</th> </tr> </thead> <tbody> <tr> <td>Fire Flow for RS, RSF, RR</td> <td>100 L/s</td> </tr> <tr> <td>Fire Flow for RSM, MUN, CN, CG, CB, IM, A, PS, PSN, PU, UF</td> <td>180 L/s</td> </tr> <tr> <td>Fire Flow for RM, RL, MU, BE, IH, UI, AJ</td> <td>300 L/s</td> </tr> <tr> <td>Fire Flow for NA</td> <td>33 L/s</td> </tr> </tbody> </table>	Parameter	Value	Fire Flow for RS, RSF, RR	100 L/s	Fire Flow for RSM, MUN, CN, CG, CB, IM, A, PS, PSN, PU, UF	180 L/s	Fire Flow for RM, RL, MU, BE, IH, UI, AJ	300 L/s	Fire Flow for NA	33 L/s	January 2024
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1.12.4.5:	Replaced with “For any zone not included in Table 1.3 above, the required fire flow shall be determined by calculation adhering to Fire Underwriters Survey “Water Supply for Public Fire Protection, A Guide to Recommended Practice in Canada, 2020” Part 2.”	January 2024										
1.7.15:	Replaced with “The maximum allowable spacing between fire hydrants shall be 150 m where the required fire flow prescribed by Table 1.3 is not more than 100 L/s, and 90 m in all other areas.”	January 2024										

The January 2024 addendum to City of Edmonton Design and Construction Standards Volume 4 Section 1 is considered part of Volume 4 of the design and construction standards wherever the design and construction standards are referenced by other documents.

These updates take effect January 1, 2024 to coincide with implementation of the City of Edmonton Zoning Bylaw Renewal.

Should any users have any questions regarding this addendum, the user is advised to seek clarification by sending an email to fdundur@epcor.com.

Kael Griswold, P.Eng.
 Fire Protection Engineer
 Edmonton Fire Rescue Services

Cameron Bardas, P.Eng.
 Senior Fire Protection Engineer
 Edmonton Fire Rescue Services

CC: Filip Dundur, P.Eng., Manager, Modelling and Development, EPCOR Water Services Inc
 Abhishek Bhargava, MSc., P.Eng., Senior Manager, Pipe Strategies, EPCOR Water Services Inc
 City of Edmonton PEG Practice Office

VER	Date	Author	Review	Check	Description/Scope
01	2024-02-06	Cameron Bardas, P.Eng.	Kael Griswold, P.Eng.	Filip Dundur, P.Eng.	Reissue of EPCOR Addendum released Oct 17, 2023
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