



Appendix 1

Water/Wastewater

in the

2023 Amended Municipal Class EA

Start Time 1:30





Presenter

Paul Knowles, P.Eng., is the MEA's MCEA Advisor. He graduated from Queen's University as a Civil Engineer and worked in the private sector for 9 years before joining the Town of Carleton Place as Town Engineer in 1989. His involvement with the Municipal Engineers Association (MEA) and the Municipal Class Environment Assessment (MCEA) began shortly thereafter. In 1993, Paul was promoted to CAO for Carleton Place but continued his engineering work and remained very active with the MEA as a Board member (2008 – 2018) and as its President in 2017, Throughout the years, Paul has been involved in all aspects of the MCEA document, including all re-writes and amendments. Paul officially retired from Carleton Place at the end of 2018 but is continuing to work with MEA as its MCEA Advisor, delivering training programs and pursuing improvements to the MCEA process





Topics for Today

Appendix 1 Table B: Municipal W/WW Projects
MEA's User Guide Version

Detailed Review of each Project Type

Amendments/Clarifications

Related Training



Appendix 1 Preamble

The preamble to Appendix 1 of the 2017 MCEA included:

Schedule A activities are Pre-approved. The proponent may proceed without following the procedures set out in any other part of this Class EA. Projects which take place partly outside the proponents municipal boundary shall be planned at least under Schedule B, other than normal or emergency operational activities which shall be Schedule A.

However, the new 2023 MCEA does not include an equivalent clause and, now that Schedule A and A+ projects are exempt rather than pre-approved, they cannot be elevated to Schedule B or C.

MCEA Users Guide – Table B

Table B: Municipal Water and Wastewater Projects - The green font is MEA's Companion Guide advice for proponents

MECP has designated all Schedule A and A+ projects as Exempt. MEA still retains the A and A+ designations to guide municipalities with their consultation for these projects

Project Description	Exempt	Eligible for Screening	Schedule B	Schedule C
DRINKING WATER SYSTEMS – MAINTENANCE, OPERATION, DISTRIBUTION, STORAGE & RETIREMENT				
1 Normal or emergency operational activities (see Glossary definition of "Operation"). Such activities may include but are not limited to the following: <ul style="list-style-type: none"> • modify, repair, reconstruct existing facilities to provide operational maintenance or other improvements such as reducing odour, insulating of buildings to reduce noise levels and conserve energy, landscaping • on-going maintenance activities • normal operation of water treatment plants • install new service connections, hydrants and appurtenances from existing water mains • maintenance and/or minor improvements to grounds and structures • addition of minor buildings, sheds and equipment and materials storage areas • repairs or cleaning of a well or intake • repairs and renovations to treatments and pumping plant equipment, water storage facilities, distribution mains and appurtenances • installation of corrosion protection systems • cleaning and/or relining existing watermains <i>This clause is intended to be inclusive.</i> <i>Operational and maintenance activities are those activities that keep the infrastructure in good condition and safe for the intended use by the public.</i>	A			
2 Install chemical or other process equipment or provide additional treatment facilities such as filtration for operational or maintenance purposes in existing pumping stations	A			

Black font – 2023 MCEA
Green font – MEA's User Guide Advice

MCEA Users Guide

- 1** Normal or emergency operational activities (see Glossary definition of “Operation”). Such activities may include but are not limited to the following:
- modify, repair, reconstruct existing facilities to provide operational maintenance or other improvements such as reducing odour, insulating of buildings to reduce noise levels and conserve energy, landscaping
 - on-going maintenance activities
 - normal operation of water treatment plants
 - install new service connections, hydrants and appurtenances from existing water mains
 - maintenance and/or minor improvements to grounds and structures
 - addition of minor buildings, sheds and equipment and materials storage areas
 - repairs or cleaning of a well or intake
 - repairs and renovations to treatments and pumping plant equipment, water storage facilities, distribution mains and appurtenances
 - installation of corrosion protection systems
 - cleaning and/or relining existing watermains

This clause is intended to be inclusive. Operational and maintenance activities are those activities that keep the infrastructure in good condition and safe for the intended use by the public.

A

Black font – 2023 MCEA
Green font – MEA’s User Guide Advice



Appendix 1 – W/WW

Water Operational and Maintenance Activities

1 Normal or emergency operational activities (see Glossary definition of “Operation”). Such activities may include but are not limited to the following:

- modify, repair, reconstruct existing facilities to provide operational maintenance or other improvements such as reducing odour, insulating of buildings to reduce noise levels and conserve energy, landscaping
- on-going maintenance activities
- normal operation of water treatment plants
- install new service connections, hydrants and appurtenances from existing water mains



Appendix 1 – W/WW

Water Operational and Maintenance Activities

- maintenance and/or minor improvements to grounds and structures
- addition of minor buildings, sheds and equipment and materials storage areas
- repairs or cleaning of a well or intake
- repairs and renovations to treatments and pumping plant equipment, water storage facilities, distribution mains and appurtenances
- installation of corrosion protection systems
- cleaning and/or relining existing watermains

Schedule A



Companion Guide Note

*This clause is intended to be inclusive.
Operational and maintenance activities are
those activities that keep the infrastructure in
good condition and safe for the intended use
by the public.*



Appendix 1 – W/WW

Water Operational and Maintenance Activities

2 Install chemical or other process equipment or provide additional treatment facilities such as filtration for operational or maintenance purposes in existing pumping stations

Schedule A

3 Repairs, renovation, and replacement of existing outfall in the same location for a water treatment plant

Schedule A ASP or Schedule B

New clause – outfall at water plant? Why Schedule B?

See A1-2



3 Repairs, renovation, and replacement of existing outfall in the same location for a water treatment plant <i>See A1-2</i>		ASP	X	
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A1-2 Archaeological Screening Process (ASP)

The projects that are identified as eligible for screening, subject to the archaeological screening process (identified as “ASP”) may be exempt from the requirements of the EAA as determined by the archaeological screening process set out below. In order to proceed with a project that is identified as eligible for screening, a proponent must either;

- (i) carry out the process for a Schedule B/C project; or
- (ii) complete the archaeological screening process and follow the directions set out in the screening process.

If the outcome of the screening process is that the project is exempt from the requirements of the EAA, the proponent may proceed with the undertaking/project without further application of the EAA to the project



A1-2 Archaeological Screening Process (ASP)

ASP involves considering the following three questions;

1. Does the project area include known or potential archaeological resources?
2. Based on the archaeological assessment(s), will the proposed project/undertaking have negative impacts (effects) to archaeological resources?
3. Based on the archaeological assessment(s), will any negative impacts (effects) be appropriately mitigated?

To view a training module that explains the ASP and illustrates how to sample projects completed the process [CLICK HERE](#)

Training is being developed



Exempt Projects Cannot be Elevated

Projects Classified into appropriate Schedule

Proposed Project may have greater environmental impact than indicated by the Schedule

Consider Elevating Level of Assessment
Schedule B  C only

Schedule A or A+ not eligible to elevate to Schedule B/C



More Homes, More Choice Act 2019 Amends EA Act

(4) An undertaking listed in the following schedules, groups or categories of an approved class environmental assessment, as amended or re-named from time to time before May 1, 2019, and that is carried out by a person authorized to proceed in accordance with that class environmental assessment, is **exempt from this Act**:

1. Go Transit....
2. Provincial Transportation Facilities...
3. **Schedules A and A+ of the Municipal Class Environmental Assessment** approved by the Lieutenant Governor in Council on October 4, 2000 under Order in Council 1923/2000.



Select Schedule

Legislative Hierarchy

Parliament Approved Act

Cabinet Approved Regulation

Minister Approved Class EA

The Act states that the projects listed in Schedule A and A+ are exempt

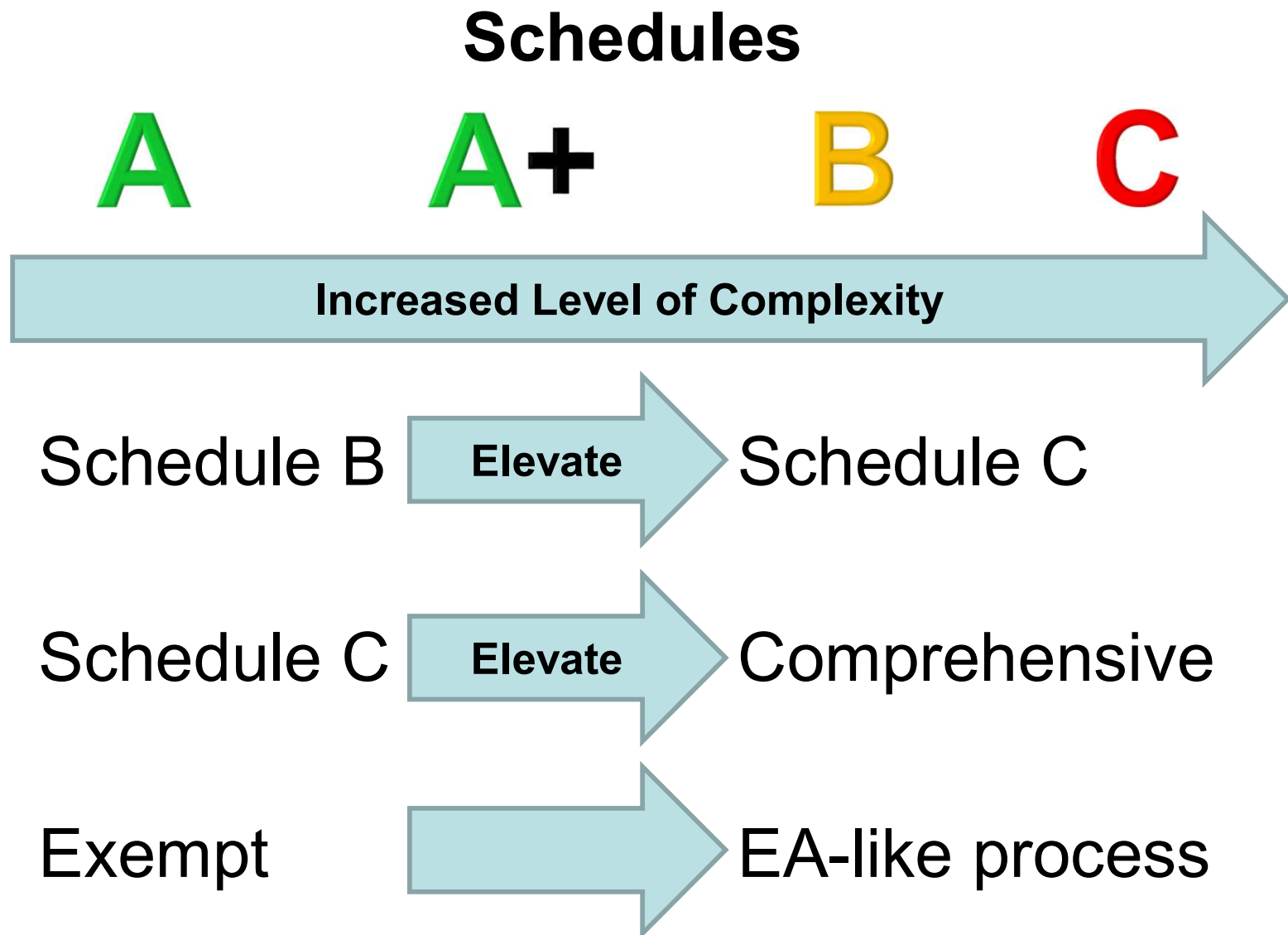
Select Schedule

2023 MCEA - Section A.1.2.2

The classification of the various undertakings in the approved class of undertakings is provided in Appendix 1. The types of projects and activities are intended to be categorized based on the magnitude of their anticipated environmental impact. In specific cases, however, a project may have a greater environmental impact than indicated by the Schedule. For Schedule B projects, the proponent may, at its discretion, decide to carry out the process for a Schedule C project. For schedule C projects, the proponent may decide to carry out an individual EA. Proponents of exempt projects may decide to carry out an EA-like process outside of the EAA regime.



Types of Projects - Schedules



Appendix 1 – W/WW

Water Operational and Maintenance Activities

4a Establish, extend or enlarge water distribution system and all necessary works to connect the system to an existing system, where it is required as a condition of approval on a site plan, consent, plan of subdivision or plan of condominium which will come into effect under the Planning Act prior to the construction of the extension of the **collection** distribution system

Schedule A

Typo noted. Project should be specifically described in Planning Act approval



Appendix 1 – W/WW

Water Operational and Maintenance Activities

4b Establish, extend or enlarge a water distribution system and all works necessary to connect the system to an existing system or water source, provided all such facilities are either in an existing road allowance or an existing utility corridor including the use of Trenchless Technology for water crossings

Schedule A+

No qualifiers,

See A1-4, A1-8



Appendix 1 – Roads

No Increase to Travel Lanes

A1-4

Property Acquisition – No EA process is required for property purchase. If the proponent acquires property through separate process (negotiation with owner or planning policies for minimum width of road allowances) such that the proponent owns the property required for a project before the Notice of Completion then no property acquisition is required for the project. For many project types, this could mean the project would be classified as Schedule A or A+ (exempt). If there is dispute about the property acquisition then a Schedule B process should be followed to support the acquisition (expropriation).



Appendix 1 – W/WW

Water Operational and Maintenance Activities

A1-8 Utility Corridor – *A utility corridor may include property that is non-linear, for example a rectangular area for a Stormwater Management Pond.*



Appendix 1 – W/WW

Water Operational and Maintenance Activities

4c Establish, extend or enlarge a water distribution system and all works necessary to connect the system to an existing system or water source, where such facilities are not in either an existing road allowance or an existing utility corridor

Schedule B



Appendix 1 – W/WW

Water Operational and Maintenance Activities

5a Increasing pumping station capacity by adding or replacing equipment where new equipment is located **within an existing building** or structure

Schedule A

5b Increasing pumping station capacity where new equipment is located **in a new building** or structure and the new building or structure is located on the existing pumping station site, or located on municipally owned lands adjacent to the existing pumping station site where the lands are not in an environmentally sensitive natural area

• *Refer to “environmentally sensitive natural area” in the Glossary*

Schedule A ASP or Schedule B

See A1-2



ENVIRONMENTALLY SENSITIVE NATURAL AREA (See Roads, Water and Wastewater Tables)

Means any of the following:

- An area reserved or set apart as a provincial park or conservation reserve under the *Provincial Parks and Conservation Reserves Act, 2006*
- An area set apart as a wilderness area under the *Wilderness Areas Act*
- An area designated by a municipality in its official plan as environmentally significant, however expressed, including designations of areas as environmentally sensitive, as being of environmental concern and as being ecologically significant
- An area designated as an escarpment natural area or an escarpment protection area by the Niagara Escarpment Plan under the *Niagara Escarpment Planning and Development Act*
- A property within an area designated as a natural core area or natural linkage area within the area to which the Oak Ridges Moraine Conservation Plan under the *Oak Ridges Moraine Conservation Act, 2001* applies
- A hazardous site where property or lands could be unsafe for development and site alteration due to naturally occurring hazards; such as, unstable soils (sensitive marine clays, organic soils) or unstable bedrock
- An area identified as a key hydrologic area, such as; significant groundwater recharge areas, highly vulnerable aquifers, and significant surface water contribution areas that are necessary for the ecological and hydrologic integrity of a watershed.
- An area identified as having key hydrological features, such as; permanent and intermittent streams, inland lands and their littoral zones, seepage areas and springs, and wetlands.
- An area identified as having key natural heritage features such as; habitat of endangered species and threatened species; fish habitat; wetlands; life science areas of natural and scientific interest (ANSIs), significant valleylands, significant woodlands; significant wildlife habitat (including habitat of special concern species); sand barrens, savannahs, and tallgrass prairies; and alvars.



A1-2 Archaeological Screening Process

The projects that are identified as eligible for screening, subject to the archaeological screening process (identified as “ASP”) may be exempt from the requirements of the EAA as determined by the archaeological screening process set out below. In order to proceed with a project that is identified as eligible for screening, a proponent must either;

- (i) carry out the process for a Schedule B/C project; or
- (ii) complete the archaeological screening process and follow the directions set out in the screening process.

If the outcome of the screening process is that the project is exempt from the requirements of the EAA, the proponent may proceed with the undertaking/project without further application of the EAA to the project



A1-2 Archaeological Screening Process (ASP)

ASP involves considering the following three questions;

1. Does the project area include known or potential archaeological resources?
2. Based on the archaeological assessment(s), will the proposed project/undertaking have negative impacts (effects) to archaeological resources?
3. Based on the archaeological assessment(s), will any negative impacts (effects) be appropriately mitigated?

To view a training module that explains the ASP and illustrates how to sample projects completed the process [CLICK HERE](#)

Training is being developed



Appendix 1 – W/WW

Water Operational and Maintenance Activities

5c Increasing pumping station capacity where new equipment **is located** in a new building or structure and the new building or structure would be located outside the existing pumping station site. *This also includes construct a new pumping station where the facility is located in or adjacent to an environmentally sensitive natural area, residential or other sensitive land use, or on land with cultural heritage or archaeological potential*

Schedule B

Project Gap See A1-9



A1-9 Project Gaps related to Pumping Stations and Water Storage Facilities

Project descriptions in 5a, 5b, and 5c all deal with increasing capacity at an existing facility. Project description 5d deals with New facilities but only those new facilities that are **not located in** or adjacent to certain areas. Wastewater pumping stations and water storage facilities are categorized the same. What about new facilities that are **located in** or adjacent to certain areas?

It is worth noting that pumping stations in Drinking Water Systems are more commonly called booster stations as they involve a pump to boost the pressure within the watermains. Private booster stations exist within all tall residential buildings to provide adequate water pressure to all floors. It seems odd that location a booster station in a residential area would trigger a high level of assessment.

A1-9 Project Gaps related to Pumping Stations and Water Storage Facilities

On the other hand, pumping stations in Wastewater Systems involve a wet well with pumps and a forcemain to pump the wastewater up a grade. Wastewater pumping stations have higher maintenance requirements (clean out screens and the wet well) and potential odour or spills. Despite the differences in impact, Appendix 1 of the 2023 MCEA classifies pumping stations for Drinking Water and for Wastewater the same.

It is also worth noting that Wastewater pumping stations are more common and are frequently built within a new subdivision and covered by #22a

22a Establish, extend, or enlarge a sewage collection system and all necessary works to connect the system to an existing sewage outlet, where it is required as a condition of approval on a site plan, consent plan of subdivision or plan of condominium which will come into effect under the <i>Planning Act</i> prior to the construction of the collection system	A			
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Appendix 1 – W/WW

Water Operational and Maintenance Activities

5d Construct a new pumping station where the facility is **not located** in or adjacent to an environmentally sensitive natural area, residential or other sensitive land use, or on land with cultural heritage or archaeological potential

Schedule A ASP or Schedule B

See A1-2



Appendix 1 – W/WW

Water Operational and Maintenance Activities

6a Replace/expand existing water storage facilities provided all such facilities are in either an existing road allowance or an existing utility corridor or where **no land acquisition** is required

Schedule A

See A1-4, A1-8



Appendix 1 – W/WW

Water Operational and Maintenance Activities

6b Replace/expand existing water storage facilities, where **additional land** must be acquired. *This also includes construct new water storage facilities where the facility is located in or adjacent to an environmentally sensitive natural area, residential or other sensitive land use, or on land with cultural heritage or archaeological potential*

Schedule B

Project Gap See A1-9

Appendix 1 – W/WW

Water Operational and Maintenance Activities

6c Establish new water storage facilities where the facility is **not located** in or adjacent to an environmentally sensitive natural area, residential or other sensitive land use, or on lands with cultural heritage or archaeological potential

Schedule A ASP or Schedule B

See A.1.2

7 Retire any water infrastructure facility (see Glossary for definition of Retirement)

Schedule A+



Appendix 1 – W/WW

New Water Systems and Water Supply

8 New water systems for which an approval under the Safe Drinking Water Act, 2002 is not required

Schedule A

9a Install new or replacement wells or deepen existing wells or increase pumping capacity of existing wells, at an existing municipal well site, where the existing rated yield will not be exceeded

Schedule A



Appendix 1 – W/WW

New Water Systems and Water Supply

9b Install a new well on an existing municipal well site

- *This does not include the construction of a new water system*

Schedule A ASP or schedule B

See A1-2

9c Deepen or increase the pumping capacity of an existing well where the well is located on an existing municipal well site and the existing rated yield will be exceeded.

- *This does not include the construction of a new water system*

Schedule A



Appendix 1 – W/WW

New Water Systems and Water Supply

9d Establish a well at a new municipal well site

Schedule B

10a Construct new water system including a new well

Schedule C

10b Construct new water system including a water distribution system

Schedule C



Appendix 1 – W/WW

New Water Systems and Water Supply

11 Establish a new surface water source

Schedule C

12 Artificially recharge an existing aquifer from a surface water source for purposes of water supply

Schedule C



Appendix 1 – W/WW

Water Treatment Facilities

13 Increase water treatment plant capacity through improvements to operations and maintenance activities only, but without construction of works to expand, modify or retrofit the plant.

Schedule A

14 Install chemical or other process equipment or provide additional treatment facilities such as filtration for operational or maintenance purposes in existing treatment plants

Schedule A



Appendix 1 – W/WW

Water Treatment Facilities

15a Expand / refurbish / upgrade water treatment plant up to existing rated capacity where **no land acquisition** is required

Schedule A

15b Expand existing water treatment plant including intake up to existing rated capacity where **land acquisition** is required

Schedule B

See A1-4

15c Construct new water treatment plant or expand existing water treatment plant **beyond existing rated capacity**

Schedule C



Appendix 1 – W/WW

Water Treatment Facilities

16 New, expansion or replacement of water intake pipe for a surface water source

Schedule B

17 Install sewer connections for disposal of process wastewater

Schedule A ASP or Schedule B

See A1-2



Appendix 1 – W/WW Water Treatment Facilities

18 Establish facilities for disposal of **proposal** wastewater (e.g. construct holding pond, dewatering and hauling operations to disposal sites) where the facility does not require new property or property is not disturbed, is not a significant drinking water threat in a source water protection area or requires a new outfall or does not discharge to a sensitive receiver, and is not located on lands with cultural heritage or archaeological potential

Schedule A ASP or Schedule B

Typo – proposal should be process

See A1-2



Questions?

Typo – Distribution should be Collection

Project Description	Exempt	Eligible for Screening	Schedule B	Schedule C
SEWAGE SYSTEMS – MAINTENANCE, OPERATION, DISTRIBUTION COLLECTION, STORAGE & RETIREMENT				
<p>19 Normal or emergency operational activities (see Glossary definition for Operation). Such activities may include, but are not limited to, the following:</p> <ul style="list-style-type: none"> • modify, repair, reconstruct existing facilities to provide operational, maintenance or other improvements such as reducing odour, insulating buildings to reduce noise levels and conserve energy, landscaping • on-going maintenance activities • normal operation of sewage treatment plants • installation of new service connections, catch basins and appurtenances from existing sewers • maintenance and/or minor improvements to grounds and structures • addition of minor buildings, sheds and equipment and materials storage areas • repairs, cleaning, renovations or replacement of sewage treatment facilities, pumping plant equipment or outfalls • cleaning, relining, repairs and renovations to existing sewage collection system <p><i>This clause is intended to be inclusive. Operational and maintenance activities are those activities that keep the infrastructure in good condition and safe for the intended use by the public</i></p>	A			



Appendix 1 – W/WW

Sewage Operational and Maintenance Activities

19 Normal or emergency operational activities (see Glossary definition for Operation). Such activities may include, but are not limited to, the following:

- modify, repair, reconstruct existing facilities to provide operational, maintenance or other improvements such as reducing odour, insulating buildings to reduce noise levels and conserve energy, landscaping
- on-going maintenance activities
- normal operation of sewage treatment plants
- installation of new service connections, catch basins and appurtenances from existing sewers



Appendix 1 – W/WW

Sewage Operational and Maintenance Activities

- maintenance and/or minor improvements to grounds and structures
- addition of minor buildings, sheds and equipment and materials storage areas
- repairs, cleaning, renovations or replacement of sewage treatment facilities, pumping plant equipment or outfalls
- cleaning, relining, repairs and renovations to existing sewage collection system

Schedule A



Companion Guide Note

This clause is intended to be inclusive. Operational and maintenance activities are those activities that keep the infrastructure in good condition and safe for the intended use by the public.



Appendix 1 – W/WW

Sewage Operational and Maintenance Activities

20 Install chemical or other process equipment for operational or maintenance purposes in existing sewage collection system or existing sewage treatment facility

Schedule A

21 Retire any wastewater infrastructure facility (see Glossary for definition of Retirement)

Schedule A



Appendix 1 – W/WW

Sewage Operational and Maintenance Activities

22a Establish, extend, or enlarge a sewage collection system and all necessary works to connect the system to an existing sewage outlet, where it is required as a condition of approval on a site plan, consent plan of subdivision or plan of condominium which will come into effect under the Planning Act prior to the construction of the collection system

Schedule A

Project should be specifically described in Planning Act approval



Appendix 1 – W/WW

Sewage Operational and Maintenance Activities

22b Establish, extend, or enlarge a sewage collection system and all necessary works to connect the system to an existing sewage or natural drainage outlet, provided all such facilities are **in either** an existing road allowance or an existing utility corridor, including the use of Trenchless Technology for water crossings

Schedule A+ See A1-4, A1-8

22c Establish, extend or enlarge a sewage collection system and all works necessary to connect the system to an existing sewage outlet where such facilities are **not located** in an existing road allowance, or existing utility corridor

Schedule B



Appendix 1 – W/WW

Sewage Operational and Maintenance Activities

23a Increase pumping station capacity by adding or replacing equipment and appurtenances, where new equipment is located in an existing building or structure.

Adding a Hauled Waste Receiving Station is permitted provided it does not require a new building or structure

Schedule A

Appendix 1 – W/WW

Sewage Operational and Maintenance Activities

23b Increase pumping station capacity where new equipment is **located in a new** building or structure and the new building or structure is located on the existing pumping station site, or located on municipally owned lands adjacent to the existing pumping station site where the lands are not in an environmentally sensitive natural area.

Adding a Hauled Waste Receiving Station is permitted

- *Refer to “environmentally sensitive natural area” in the Glossary*

Schedule A+ ASP or Schedule B

See A1-2



Appendix 1 – W/WW

Sewage Operational and Maintenance Activities

23c Increase pumping station capacity where new equipment is located in a new building or structure and the new building or structure would be **located outside** the existing pumping station site. *This also includes construct a new pumping station where the facility is located in or adjacent to an environmentally sensitive natural area, residential or other sensitive land use or on land with cultural heritage or archaeological potential*

Schedule B

Project gap See A1-9



Appendix 1 – W/WW

Sewage Operational and Maintenance Activities

24d Construct new pumping station where the facility is **not located** in or adjacent to an environmentally sensitive natural area, residential or other sensitive land use, or on land with cultural heritage or archaeological potential.

Adding a Hauled Waste Receiving Station is permitted

Schedule A+ ASP or Schedule B



Appendix 1 – W/WW

Sewage Operational and Maintenance Activities

25 Communal sewage systems (new or expanded) with subsurface effluent disposal subject to approval under Section 53 of the Ontario Water Resources Act

Schedule B

26 A new municipal holding tank that is designed for the total retention of all sanitary sewage disposed into it and requires periodic emptying

Schedule B

27 Construct new sewage system, including outfall to receiving water body and/or a constructed wetland for treatment

Schedule C



Appendix 1 – W/WW

Sewage Treatment Facilities

28a Increase sewage treatment plant capacity beyond existing rated capacity through improvements to operations and maintenance activities only, but without construction of works to expand, modify or retrofit the plant or the outfall to the receiving the water body, with no increase to total mass loading to receiving water body as identified in the Environmental Compliance Approval

Schedule A



Appendix 1 – W/WW

Sewage Treatment Facilities

28b Increase sewage treatment plant capacity beyond existing rated capacity through improvements to operations and maintenance activities only but without construction of works to expand, modify or retrofit the plant or the outfall to the receiving water body where there is an increase to total mass loading to the receiving water body as identified in the Environmental Compliance Approval

Schedule B



Appendix 1 – W/WW

Sewage Treatment Facilities

29a Expand / refurbish / upgrade sewage treatment plant including outfall up to existing rated capacity where **no land** acquisition is required. *Adding a Hauled Waste Receiving Station is permitted provided it does not impact the rated capacity of the treatment plant*

Schedule A+ See A1-4

29b Expand sewage treatment plant, including relocation or replacement of outfall to receiving water body, up to existing rated capacity where **new land** acquisition is required

Schedule B

29c Construct new sewage treatment plant or expand existing sewage treatment plant beyond existing rated capacity including outfall to receiving water body

Schedule C



Appendix 1 – W/WW

Sewage Treatment Facilities

30a Establish sewage flow equalization tankage for influent and/or effluent control within existing sewer system or at existing sewage treatment plants, or at existing pumping stations where **no property acquisition** is required

Schedule A ASP or Schedule B

See A1-2, A1-4

30b Establish sewage flow equalization tankage for influent and/or effluent control within existing sewer system, at existing sewage treatment plant, or at existing pumping station where **property must be acquired** for the infrastructure

Schedule B



Appendix 1 – W/WW

Sewage Treatment Facilities

31a Provide additional treatment facilities in existing lagoons, such as aeration, chemical addition, post treatment, including expanding lagoon capacity up to existing rated capacity, provided **no land acquisition** nor additional lagoon cells are required

Schedule A

See A1-4

31b Add additional lagoon cells or establish new lagoons or install new or additional sewage storage tanks at an existing sewage system, where **land acquisition is required** but existing rated capacity will not be exceeded

Schedule B



Appendix 1 – W/WW

Sewage Treatment Facilities

31c Establish new lagoons or expand existing lagoons or install new or additional sewage storage tanks which will increase **beyond existing rated capacity**

Schedule C



Appendix 1 – W/WW

Sewage Treatment Facilities

32a Expansion of the buffer zone between a lagoon facility or land treatment area and adjacent uses where the buffer zone is entirely on the proponent's land

Schedule A

32b Expansion of the buffer zone between a lagoon facility or land treatment area and adjacent uses, where the buffer zone extends onto lands not owned by the proponent

Schedule B



Appendix 1 – W/WW

Sewage Treatment Facilities

33a Dispose of, utilize, or manage biosolids on an interim basis (e.g. further treatment in drying beds, composting, temporary holding at transfer stations), at:

- a) An existing sewage treatment plant where the biosolids is generated, or
- b) b) An existing landfill site, incinerator or organic soil conditioning site, where the biosolids is to be utilized or disposed of

Schedule A

33b Establish a new biosolids organic soil conditioning site

Schedule A



Appendix 1 – W/WW

Sewage Treatment Facilities

33c Establish biosolids management facilities at: a) A sewage treatment plant where the biosolids were not generated b) An existing landfill site, incinerator or organic soil conditioning site where the biosolids are not to be disposed of nor utilized

Schedule B

33d Establish a new biosolids landfill site or new biosolids incineration site for purposes of biosolids disposal

Schedule C



Appendix 1 – W/WW

Sewage Treatment Facilities

34 Establish a new transfer station or new storage lagoon not located at a sewage treatment plant, incinerator, landfill site, or organic soil conditioning site, for purposes of biosolids management

Schedule C

35 Construct new sanitary or combined sewage retention / detention facility at a new location

Schedule C

36 Provide for land application of sewage effluent through spray irrigation system or overland flow

Schedule C



Appendix 1 – W/WW

Stormwater Management Systems

37 Roadside ditches, culverts and other such incidental stormwater works constructed solely for the purpose of servicing municipal road works

Schedule A

See A1-10

38a Establish new or modify, retrofit or improve LID features within an existing road allowance or an existing utility corridor

Schedule A ASP or Schedule B *See A1-2*

38b Establish new or modify, retrofit or improve LID features where property acquisition is required

Schedule B



Appendix 1 – W/WW Shoreline/ In Water Works

A1-10 Incidental Works is Inclusive.

Some have suggested that Roadside ditches, culverts and other such incidental stormwater works is not inclusive of all works required for a typical simple road project like paving a gravel surface or adding pave shoulders. Any technical issues with stormwater works would be addressed by the requirement for permission from MECP and/or the Conservation Authority. The MCEA is a self assessment process. To challenge the proponent's selection of project schedule there must be clear evidence the proponent has made a mistake. The above clause would need to be amended to clearly state which incidental stormwater works were included (and excluded) before a proponent should be expected to subject routine road projects an excessive MCEA process.

Amendments and Clarifications to the MCEA

EA Act Section 15.4

Administrative amendments

(5) The Director may amend an approved class environmental assessment to make one or more of the following administrative changes:

1. Correcting errors that are editorial or typographical in nature.
2. Updating references to an Act or regulation, or provisions or other portions of an Act or regulation.
3. Updating references to bodies, offices, persons, places, names, titles, locations, website or addresses.
4. Clarifying the existing text of the class environmental assessment.

MECP has the authority to amend MCEA using appropriate process

MEA will work with MECP to prepare a full clarification that addresses this issue. – contact MEA



Appendix 1 – W/WW

Stormwater Management Systems

39 Modify, retrofit, or improve a retention/detention facility including outfall or infiltration system for the purpose of stormwater quality control. Biological treatment through the establishment of constructed wetlands is permitted

- Note – *Biological treatment refers to passive treatment systems*

Schedule A



Appendix 1 – W/WW

Stormwater Management Systems

40a Establish new or replace or expand existing stormwater detention/retention ponds or tanks and appurtenances including outfall to receiving water body provided all such facilities are in either an existing utility corridor or an existing road allowance where **no additional property** is required

Schedule A+

See A1-4

40b Establish new or replace or expand existing stormwater detention/retention ponds or tanks and appurtenances including outfall to receiving water body where all such facilities are not located in an existing utility corridor, or an existing road allowance or **where property acquisition is require**

Schedule B



Appendix 1 – W/WW

Stormwater Management Systems

41 Construct a stormwater control demonstration or pilot facility for the purpose of assessing new technology or procedures.

Schedule B

42 Establish stormwater infiltration system for end-of-pipe control and/or for groundwater recharge

- *This does not include LID features*

Schedule B

Appendix 1 – W/WW

Stormwater Management Systems

43 Construct new or modify, retrofit or improve existing retention/detention facility or infiltration system for the purpose of stormwater quality control where active chemical or biological treatment or disinfection is included, including outfall to receiving water body

Schedule C

44 Construction of stormwater management facilities which are required as a condition of approval on a consent, site plan, plan of subdivision or condominium which will come into effect under the Planning Act prior to the construction of the facility.

• *This includes LID features*

Schedule A

Project should be specifically described in Planning Act approval



Appendix 1 – W/WW

Water Crossings

22b Establish, extend, or enlarge a **sewage collection** system and all necessary works to connect the system to an existing sewage or natural drainage outlet, provided all such facilities are in either an existing road allowance or an existing utility corridor, including the use of Trenchless Technology for water crossings

Schedule A+

4b Establish, extend or enlarge a **water distribution** system and all works necessary to connect the system to an existing system or water source, provided all such facilities are in either an existing road allowance or an existing utility corridor, including the use of Trenchless Technology for water crossings

Schedule A+



Appendix 1 – W/WW

Water Crossings

45 Water crossing for a new or replacement water or sewage facility where the facility will be supported by an existing bridge or structure and the project does not involve in water works or significant modifications to the bridge or structures piers or abutments; the bridge or structure does not have cultural heritage value; and additional property is not required

Schedule A+ ASP or Schedule B

See A1-2, A1-4

46 Water crossing for a new or replacement water or sewage facility where the project is not otherwise described in this table

Schedule B



Appendix 1 – W/WW

Shoreline/ In Water Works

47 Replace traditional materials in an existing watercourse or in slope stability works with material of equal or better properties, at substantially the same location and for the same purpose

Schedule A

48 Reconstruct an existing dam weir at the same location and for the same purpose, use and capacity

Schedule A+



Appendix 1 – W/WW

Shoreline/ In Water Works

49 Construct berms along a watercourse for purposes of flood control in areas subject to damage by flooding

Schedule B

50 Modify existing water crossings for the purposes of flood control

Schedule B



Appendix 1 – W/WW

Shoreline/ In Water Works

51 Works undertaken in a watercourse for the purposes of flood control or erosion control, which may include:

- bank or slope regrading
- deepening the watercourse
- relocation, realignment or channelization of watercourse
- revetment including soil bio-engineering techniques
- reconstruction of a weir or dam

Schedule B



Appendix 1 – W/WW Shoreline/ In Water Works

52 Construction of spillway facilities at existing outfalls for erosion or sedimentation control

Schedule B

53 Construct a fishway or fish ladder in a natural watercourse, expressly for the purpose of providing a fishway

Schedule B

54 Reconstruct existing weir or dam at the same location where the purpose, use and/or capacity are changed

Schedule B



Appendix 1 – W/WW Shoreline/ In Water Works

55 Removal of an existing weir or dam

Schedule B

56 Enclose a watercourse in a storm sewer

Schedule B

57 Construction of a diversion channel or sewer for the purpose of diverting flows from one watercourse to another

Schedule C



Appendix 1 – W/WW

Shoreline/ In Water Works

58 Construct new shore line works, such as off-shore breakwaters, shore-connected breakwaters, groynes and sea walls

Schedule C

Recreation facilities such as a dock, marina, beach or boat launch are not included in the MCEA. See A1-11

59 Construct a new dam or weir in a watercourse

Schedule C



Appendix 1 – W/WW Shoreline/ In Water Works

A1-11 Recreation Projects Not in MCEA

Some have suggested that recreation facilities such as a dock, marina, beach or boat launch are included in this clause. However, these recreation facilities are not similar to the identified shore line works. The MCEA is a self assessment process. To challenge the proponent's selection of project schedule there must be clear evidence the proponent has made a mistake. The above clause would need to be amended to clearly state that certain recreation facilities were included before a proponent should be expected to subject recreation projects to the MCEA process.

Amendments and Clarifications to the MCEA

EA Act Section 15.4

Administrative amendments

(5) The Director may amend an approved class environmental assessment to make one or more of the following administrative changes:

1. Correcting errors that are editorial or typographical in nature.
2. Updating references to an Act or regulation, or provisions or other portions of an Act or regulation.
3. Updating references to bodies, offices, persons, places, names, titles, locations, website or addresses.
4. Clarifying the existing text of the class environmental assessment.

MECP has the authority to amend MCEA using appropriate process

MEA will work with MECP to prepare a full clarification that addresses this issue. – contact MEA



Appendix 1 – W/WW

Other Projects

60 Installation and operation of standby power equipment
Schedule A

61 Construct new or expand/modify existing service facilities (e.g. patrol yards, storage and maintenance facilities, parking lots for service vehicles) provided project is subject to Planning Act requirements and conforms with municipal and other requirements
Schedule A



Appendix 1 – W/WW

Other Projects

62 Projects planned and approved under Ontario Regulation 586/06: Local Improvement Charges – Priority Lien Status (see Section A.2.10.4)

Schedule A

63 Any water, wastewater or stormwater project classified as a Schedule B or C undertaking where the proponent determines that the work must be undertaken to address an emergency and the Director of the EAB is notified, and the Conservation Authority where relevant. A situation created by intentional delay does not constitute an emergency.

- *Notice should be provided as soon as possible, or within 30 days at the latest*

Schedule A



Summary Significant Impacts

- Projects presented in a chart
- Exempt projects cannot be elevated to Schedule B/C
- Project gaps and questions remain related to pumping stations and water storage facilities
- A number of projects may be Exempt after ASP
- Recreational projects are not currently included in MCEA
- Roadside ditches, culverts and other such incidental stormwater works should be considered inclusive
- Works due to an emergency now Exempt



Questions?



WEBINAR

MCEA 2023 Appendix 1 – Roads	May 12 2023
MCEA 2023 Appendix 1 – W/WW	May 15 2023
MCEA 2023 Appendix 1 – Transit	TBD
Heritage Bridge Checklist	May 16 2023
Archeology Screening Process (ASP)	TBD
MCEA 2023 Part A	TBD
Intro to MCEA Workshop	June 19-21
Collector Road Screening Process	Fall 2023
Project List and New Regulation	TBD

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QUESTIONS

www.MunicipalEngineers.on.ca/Resources/Ask-An-Expert.html

www.municipalclassea.ca