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Environmental Protection Act

[ONTARIO REGULATION 349/12](https://www.ontario.ca/laws/regulation/R12349)

REGISTRATIONS UNDER PART II.2 OF THE ACT — PRINTING

**Consolidation Period:** From February 3, 2017 to the [e-Laws currency date](http://www.e-laws.gov.on.ca/navigation?file=currencyDates&lang=en).

Last amendment: [15/17](https://www.ontario.ca/laws/regulation/R17015).

Legislative History: [44/15](https://www.ontario.ca/laws/regulation/R15044), [15/17](https://www.ontario.ca/laws/regulation/R17015).

This is the English version of a bilingual regulation.

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Part i  
Interpretation

Interpretation

**1.**(1)  In this Regulation,

“business day” means a day that is not a Saturday or a holiday within the meaning of section 87 of the Legislation Act, 2006; (“jour ouvrable”)

“cleaning solution” means a cleaning solution, including a screen reclaiming solution, that contains organic solvent; (“solution de nettoyage”)

“digital printing” means printing carried out for commercial purposes through the use of a digital printing press and any pre-press operations and post-press operations in respect of that printing; (“impression numérique”)

“digital printing press” means,

(a) a printing production assembly comprised of one or more electronically driven output devices that receive images in electronic files transferred directly from a computer and print the images directly onto the substrate using water based liquid inks, organic solvent based liquid inks or ultraviolet inks, and

(b) any equipment associated with the printing production assembly mentioned in clause (a); (“presse numérique”)

“exhaust stack” means, subject to subsection (2), a stack from which contaminants captured from the use of a printing press or from equipment used in a screen reclamation area are discharged into the air; (“cheminée d’évacuation”)

“heatset web lithographic printing” means lithographic printing in which the substrate is fed to the printing production assembly by a continuous roll web and the ink is set with the application of heat; (“impression lithographique à bobines et à sécheurs”)

“high VOC fountain solution” means a fountain solution that has a volatile organic compound concentration that is greater than or equal to five per cent by weight; (“solution de mouillage à forte concentration en COV”)

“high VOC ink” means an ink that has a volatile organic compound concentration that is greater than or equal to three per cent by weight; (“encre à forte concentration en COV”)

“lithographic printing” means, subject to subsection (3), printing carried out for commercial purposes through the use of a lithographic printing press and any pre-press operations and post-press operations in respect of that printing; (“impression lithographique”)

“lithographic printing materials” means inks, reducers, coatings, adhesives, cleaning solutions and fountain solutions; (“produits de lithographie”)

“lithographic printing press” means,

(a) a printing production assembly comprised of,

(i) one or more inking systems and fountain solution dampening systems,

(ii) a planographic printing plate roll, and

(iii) an intermediate roll that receives images transferred from the planographic printing plate roll before the images are transferred onto the substrate, and

(b) any equipment associated with the printing production assembly mentioned in clause (a), including ovens, dryers, chillers and equipment used in a flashoff area; (“presse lithographique”)

“low VOC fountain solution” means a fountain solution that has a volatile organic compound concentration that is less than five percent by weight; (“solution de mouillage à faible concentration en COV”)

“low VOC ink” means an ink that has a volatile organic compound concentration that is less than three per cent by weight; (“encre à faible concentration en COV”)

“NAICS” means the North American Industry Classification System maintained for Canada by Statistics Canada, as amended or revised from time to time; (“SCIAN”)

“newspaper lithographic printing” means lithographic printing in which the ink used is designed to print on newsprint and is set without the application of heat; (“impression lithographique sur papier journal”)

“Niagara Escarpment Planning Area” has the same meaning as in the Niagara Escarpment Planning and Development Act; (“zone de planification de l’escarpement du Niagara”)

“noise generating equipment unit” means a wet cooling tower, an air cooled condenser, a cyclone dust collector, a paper waste compactor or a blower for a vacuum system; (“équipement générant du bruit”)

“noise receptor” means a permanent or seasonal residence, hotel, motel, long-term care home, retirement home, hospital, campground, child care facility, educational facility or place of worship and includes a vacant lot that has been zoned to permit such a building or campground; (“récepteur de bruit”)

“non-heatset web lithographic printing” means lithographic printing, in which,

(a) the substrate is fed to the printing production assembly by a continuous roll web,

(b) the ink used is not designed to print on newsprint, and

(c) the ink is set without the application of heat; (“impression lithographique à bobines sans sécheurs”)

“organic solvent based liquid ink” means ink that is not an ultraviolet ink and that, according to the specifications of the manufacturer of the ink, has a water content that is less than 60 per cent by weight; (“encre liquide à base de solvant organique”)

“post-press operations” means,

(a) any operations engaged in at a printing facility to create a final product from printed materials, and

(b) any operations engaged in at a printing facility to process or temporarily store waste generated from printing or from the operations described in clause (a); (“opérations de finition”)

“pre-press operations” means,

(a) any operations engaged in at a printing facility to prepare the equipment used in printing, and

(b) any operations engaged in at a printing facility to process or temporarily store waste generated from the operations described in clause (a); (“opérations prépresse”)

“printing facility” means a facility at which a person engages in a printing process; (“imprimerie”)

“printing process” means lithographic printing, screen printing or digital printing or any combination of lithographic printing, screen printing and digital printing; (“procédé d’impression”)

“property boundary” means,

(a) in respect of a noise receptor, the boundary of the property on which the noise receptor is situated, and

(b) in respect of a printing facility, the boundary of the property on which the printing facility is situated; (“limite de propriété”)

“screen printing” means printing carried out for commercial purposes through the use of a screen printing press and any pre-press operations and post-press operations in respect of that printing; (“impression sérigraphique”)

“screen printing materials” means, subject to subsection (4), reducers, coatings, adhesives, cleaning solutions, and inks; (“produits de sérigraphie”)

“screen printing press” means,

(a) a printing production assembly comprised of,

(i) one or more inking systems, and

(ii) a stencilled screen with unblocked areas through which ink is squeezed to transfer an image onto the substrate, and

(b) any equipment associated with the printing production assembly described in clause (a), including ovens, dryers, conveyors and equipment used in a flashoff area; (“presse sérigraphique”)

“sewage works” has the same meaning as in the Ontario Water Resources Act; (“station d’épuration des eaux d’égout”)

“sheet-fed lithographic printing” means lithographic printing in which individual sheets of substrate are fed to the printing production assembly sequentially but does not include newspaper lithographic printing; (“impression lithographique sur presse à feuilles”)

“standby power system” has the same meaning as in Ontario Regulation 524/98 (Environmental Compliance Approvals — Exemptions from Section 9 of the Act) made under the Act; (“système d’alimentation électrique d’appoint”)

“waste management system” has the same meaning as in Part V of the Act; (“système de gestion des déchets”)

“water based liquid ink” means ink that is not an ultraviolet ink and that, according to the specifications of the manufacturer of the ink, has a water content that is equal to or greater than 60 per cent by weight. (“encre liquide à base d’eau”) O. Reg. 349/12, s. 1 (1); O. Reg. 15/17, s. 1.

(2)  For the purposes of this Regulation, the following stacks are not exhaust stacks:

1. A stack that is used only for general ventilation of indoor air out of a building.

2. A stack that is associated with a noise generating equipment unit. O. Reg. 349/12, s. 1 (2).

(3)  For the purposes of this Regulation, lithographic printing includes only the following types of lithographic printing:

1. Heatset web lithographic printing.

2. Newspaper lithographic printing.

3. Non-heatset web lithographic printing.

4. Sheet-fed lithographic printing. O. Reg. 349/12, s. 1 (3).

(4)  For the purposes of this Regulation, when determining the amount of screen printing materials used, the following shall be excluded:

1. Ultraviolet inks.

2. Electron beam inks.

3. Plastisol inks. O. Reg. 349/12, s. 1 (4).

(5)  For the purposes of this Regulation, two properties are adjacent to each other if the boundary of one property touches or, were it not for an intervening highway, road allowance, railway line, railway allowance or utility corridor, would touch the boundary of the other property. O. Reg. 349/12, s. 1 (5).

Measurement of distance

**2.**For the purposes of this Regulation, a distance described in Column 1 of the following Table shall be measured horizontally and in accordance with the rules set out opposite the distance in Column 2 of the Table:

Table

|  |  |  |
| --- | --- | --- |
| Item | Column 1  Distance | Column 2  Rules |
| 1. | Between the exterior wall of a building and the property boundary of a noise receptor. | 1. Measure from the point that is located on the exterior wall and closest to the property boundary of the noise receptor.  2. Measure to the point that is located on the property boundary of the noise receptor and closest to the point from which the measurement is made. |
| 2. | Between a noise generating equipment unit and the property boundary of a noise receptor. | 1. Measure from the point that is located on the edge of the unit and closest to the property boundary of the noise receptor.  2. Measure to the point that is located on the property boundary of the noise receptor and closest to the point from which the measurement is made. |
| 3. | Between an exhaust stack and the property boundary of a noise receptor. | 1. Measure from the point that is located at the centre of the stack at the point of discharge.  2. Measure to the point that is located on the property boundary of the noise receptor and closest to the point from which the measurement is made. |
| 4. | Between the centre of a building and the property boundary of a printing facility. | 1. Measure from the point that is located at the centre of the smallest rectangular area that can be measured surrounding the building at ground level and, if there is more than one rectangular area that meets this description, the centre of any one of those rectangular areas.  2. Measure to the point that is located on the property boundary of the printing facility and closest to the point from which the measurement is made. |

O. Reg. 349/12, s. 2; O. Reg. 44/15, s. 1.

Part II  
prescribed activities, criteria and requirements

Prescribed activities, s. 20.21 (1) of the Act

**3.**(1)  Subject to subsections (3), (4) and (6), the following are prescribed activities for the purposes of subsection 20.21 (1) of the Act:

1. The use, operation, construction, alteration, extension or replacement of any structure, equipment, apparatus, mechanism or thing that,

i.is used at a printing facility that meets the criteria set out in subsection (2), and

ii. may discharge or from which may be discharged a contaminant into any part of the natural environment other than water.

2. The alteration of a process or rate of production with respect to any structure, equipment, apparatus, mechanism or thing that is used at a printing facility that meets the criteria set out in subsection (2) if the alteration may result in,

i. a contaminant being discharged into any part of the natural environment other than water, or

ii. the rate or manner of discharge of a contaminant into any part of the natural environment other than water being altered.

3. The storage of chemicals used in a printing process at a printing facility that meets the criteria set out in subsection (2). O. Reg. 349/12, s. 3 (1).

(2)  The criteria referred to in subsection (1) with respect to a printing facility are the following:

1. All of the criteria set out in Parts III and IV that apply in respect of a printing facility are met.

2. If the facility has the number of exhaust stacks set out in Column 1 of the following Table and the number of noise generating equipment units set out in Column 2 of the Table, the distance set out in Column 3 of the Table opposite both of those numbers is met or exceeded between,

i. each exterior wall of each building at the facility and the property boundary of any noise receptor,

ii. each exhaust stack that extends beyond an exterior wall of a building and the property boundary of any noise receptor, and

iii. each noise generating equipment unit that extends beyond an exterior wall of a building and the property boundary of any noise receptor.

Table

|  |  |  |  |
| --- | --- | --- | --- |
| Item | Column 1  Number of exhaust stacks | Column 2  Number of noise generating equipment units | Column 3  Distance in metres |
| 1. | 1 or 2 | 0 | 55 |
| 2. | 3 or 4 | 0 | 75 |
| 3. | 5 or 6 | 0 | 80 |
| 4. | ≥ 0 | 1 | 85 |
| 5. | ≥ 0 | 2 | 170 |
| 6. | ≥ 0 | 3 | 180 |

3. The wastewater from the facility, if any,

i. is transferred to a waste management system,

A. that is subject to an environmental compliance approval, or

B. in respect of which an activity has been registered for the purposes of subsection 20.21 (1) of the Act,

ii. is discharged to a sewage works that is subject to an environmental compliance approval, or

iii. is discharged to a municipal sanitary sewer.

4. If the facility is located in an area of development control within the Niagara Escarpment Planning Area, any development permit required under section 24 of the Niagara Escarpment Planning and Development Act in respect of the facility has been issued and the requirements of this Regulation are not in conflict with any conditions of the permit. O. Reg. 349/12, s. 3 (2); O. Reg. 44/15, s. 2.

(3)  This section does not apply in respect of any activities relating to the construction of a structure, equipment, apparatus, mechanism or thing that is used in a printing facility if the activities are carried out at a site other than a printing facility. O. Reg. 349/12, s. 3 (3).

(4)  This section does not apply in respect of activities engaged in at a printing facility that meets any of the following criteria:

1. A printing facility located on the same property as a facility, other than a renewable energy generation facility, at which a person engages in an activity mentioned in subsection 9 (1) or 27 (1) of the Act or subsection 53 (1) of the Ontario Water Resources Act.

2. A printing facility located on a property that is adjacent to a property on which another facility, which may or may not be a printing facility, is located, if both of the following conditions are met:

i. A person at the printing facility,

A. uses raw materials, products or services provided by the other facility, or

B. provides raw materials, products or services to the other facility.

ii. A person at the other facility engages in an activity mentioned in subsection 9 (1) or 27 (1) of the Act or subsection 53 (1) of the Ontario Water Resources Act and,

A. uses raw materials, products or services provided by the printing facility, or

B. provides raw materials, products or services to the printing facility.

3. A printing facility located in a building that contains more than one unit, at least one of which is not occupied by the printing facility.

4. A printing facility at which a person engages in,

i. lithographic printing and screen printing,

ii. newspaper lithographic printing and sheet-fed lithographic printing, or

iii. newspaper lithographic printing and non-heatset web lithographic printing.

5. Subject to subsection (5), a printing facility at which a person engages in printing that is not digital printing, lithographic printing or screen printing.

6. A printing facility that has more than six exhaust stacks.

7. A printing facility that has more than three noise generating equipment units.

8. A printing facility of a class identified by NAICS code 561430 (Business service centres), 812921 (Photo finishing laboratories (except one-hour)) or 812922 (One-hour photo finishing). O. Reg. 349/12, s. 3 (4).

(5)  Paragraph 5 of subsection (4) does not apply if the only printing that a person engages in other than digital printing, lithographic printing or screen printing is printing carried out through the use of a digital printing production assembly using ink that is not organic solvent based liquid ink, water based liquid ink or ultraviolet ink and any pre-press and post-press operations in respect of that printing. O. Reg. 349/12, s. 3 (5).

(6)  This section does not apply in respect of the use, operation, construction, alteration, extension or replacement of a standby power system at a printing facility. O. Reg. 349/12, s. 3 (6).

(7)  For the purposes of determining the number of exhaust stacks at a printing facility under this section, the only exhaust stacks that shall be counted are those that have a volumetric flow rate that is greater than 0.472 cubic metres per second as specified at 20 degrees Celsius and 101.3 kilopascals. O. Reg. 349/12, s. 3 (7).

Registration exemptions, s. 20.21 (1) (a) and (b) of the Act

**4.**(1)  A person who engages in an activity prescribed by section 3 is exempt from clauses 20.21 (1) (a) and (b) of the Act in respect of the activity if,

(a) the activity is engaged in at a printing facility in respect of which the person has previously registered an activity prescribed by section 3 of this Regulation; and

(b) the registration in respect of the previously registered activity is not suspended and has not been removed from the Registry. O. Reg. 349/12, s. 4 (1).

(2)  A person who engages in the alteration of a process or rate of production with respect to any structure, equipment, apparatus, mechanism or thing that is used at a printing facility that meets the criteria set out in subsection 3 (2) is exempt from clauses 20.21 (1) (a) and (b) of the Act in respect of the alteration if, after the alteration, the applicable criteria set out in Parts III and IV continue to be met. O. Reg. 349/12, s. 4 (2).

Activity requirements, s. 20.21 (1) (c) of the Act

**5.**(1)  For the purposes of clause 20.21 (1) (c) of the Act, a person who engages in an activity prescribed by section 3 of this Regulation shall ensure that the requirements set out in subsection (2) and the requirements set out in sections 5.1 and 5.2 of this Regulation that are applicable to the printing process or processes engaged in at the printing facility are complied with. O. Reg. 44/15, s. 3.

(2)  For any printing process engaged in at the printing facility, the following requirements apply:

1. The following items shall be used, operated and maintained in a manner that satisfies the recommendations of the manufacturer of the item:

i. A printing production assembly that is part of a printing press.

ii. Equipment used or operated in a screen reclamation area.

iii. A noise generating equipment unit.

iv. Equipment used or operated to control the discharge of contaminants from a printing press.

2. Cleaning solutions used to clean and maintain equipment used or operated in a printing process and cleaning supplies that come in contact with the cleaning solutions before disposal shall be stored in sealed containers when not in use.

3. Cyclone dust collectors and paper waste compactors that are used or operated shall be used or operated between the hours of 7 a.m. and 7 p.m.

4. Any structure, equipment, apparatus, mechanism or thing that is used or operated in a printing process shall be used or operated only if all doors to the exterior of the building from the area where the printing process is engaged in are closed, except to allow for the normal ingress and egress of personnel, and if all windows to the area are closed.

5. If the person receives a complaint with respect to the facility and the complaint relates to the natural environment, the district manager of the Ministry for the district in which the facility is located shall be notified of the complaint no later than two business days after the complaint is received. O. Reg. 44/15, s. 3.

Activity requirements, s. 20.21 (1) (c) of the Act — individual printing processes

**5.1**(1)  For digital printing engaged in at the printing facility, either on its own or in combination with other printing, the following requirements apply for the purposes of subsection 5 (1):

1. If, for the purpose of meeting the criterion set out in paragraph 1 of subsection 6 (2), a distance set out in Column 1 of the Table to that paragraph must be met or exceeded as described in that paragraph,

i. the amount of organic solvent based liquid inks used in a month at the facility shall not exceed the highest amount set out opposite that distance in Column 2 of that Table, and

ii. the amount of water based liquid inks used in a month at the facility shall not exceed the highest amount set out opposite that distance in Column 3 of that Table. O. Reg. 44/15, s. 3.

(2)  For heatset web lithographic printing engaged in at the printing facility, either on its own or in combination with other printing, the following requirements apply for the purposes of subsection 5 (1):

1. Any fountain solution used shall have a volatile organic compound concentration that is less than 30 per cent by weight, as specified by the manufacturer of the fountain solution.

2. Any ink usedafter the addition of any reducers shall have a volatile organic compound concentration that is less than 40 per cent by weight.

3. Any coating used shall have a volatile organic compound concentration that is less than 40 per cent by weight, as specified by the manufacturer of the coating.

4. Any adhesive used shall have a volatile organic compound concentration that is less than 40 per cent by weight, as specified by the manufacturer of the adhesive.

5. Each press dryer shall be used or operated at a vacuum at the web slot of at least 1.3 mm of water relative to the press room, or the average capture velocity of the air entering the dryer ports shall be at least 1 metre per second.

6. Each press dryer, when it is used or operated, shall exhaust to equipment that is designed to control the discharge of contaminants and is specified by the manufacturer of the equipment as having a minimum emissions reduction efficiency of 95 per cent.

7. The exhaust stacks associated with the equipment described in paragraph 6 shall be oriented vertically and shall be free of any impediments that would prevent the flow of emissions.

8. If, for the purpose of meeting the criterion set out in paragraph 1 of subsection 9 (2), a distance set out in Column 1 of the Table to that paragraph must be met or exceeded as described in that paragraph, the amount of lithographic printing materials used in a month at the facility shall not exceed the highest amount set out opposite that distance in Column 2 of that Table. O. Reg. 44/15, s. 3.

(3)  For newspaper lithographic printing engaged in at the printing facility, either on its own or in combination with other printing, the following requirements apply for the purposes of subsection 5 (1):

1. Any fountain solution used shall have a volatile organic compound concentration that is less than 15 per cent by weight, as specified by the manufacturer of the fountain solution.

2. Any ink used shall have a volatile organic compound concentration that is less than five per cent by weight, as specified by the manufacturer of the ink.

3. If, for the purpose of meeting the criterion set out in paragraph 1 of subsection 10 (2), a distance set out in Column 1 of the Table to that paragraph must be met or exceeded as described in that paragraph, the amount of lithographic printing materials used in a month at the facility shall not exceed the highest amount set out opposite that distance in Column 2 of that Table.

4. If, for the purpose of meeting the criterion set out in paragraph 1 of subsection 11 (2), a distance set out in Column 1 of the Table to that paragraph must be met or exceeded as described in that paragraph, the amount of lithographic printing materials used in a month at the facility shall not exceed the highest amount set out opposite that distance in Column 2 of that Table. O. Reg. 44/15, s. 3.

(4)  For non-heatset web lithographic printing engaged in at the printing facility, either on its own or in combination with other printing, the following requirements apply for the purposes of subsection 5 (1):

1. Any fountain solution used shall have a volatile organic compound concentration that is less than 15 per cent by weight, as specified by the manufacturer of the fountain solution.

2. Any ink used after the addition of any reducers shall have a volatile organic compound concentration that is less than 15 per cent by weight.

3. Any coating used shall have a volatile organic compound concentration that is less than 15 per cent by weight, as specified by the manufacturer of the coating.

4. Any adhesive used shall have a volatile organic compound concentration that is less than 15 per cent by weight, as specified by the manufacturer of the adhesive.

5. If, for the purpose of meeting the criterion set out in paragraph 1 of subsection 14 (2), a distance set out in Column 1 of the Table to that paragraph must be met or exceeded as described in that paragraph, the amount of lithographic printing materials used in a month at the facility shall not exceed the highest amount set out opposite that distance in Column 2 of that Table. O. Reg. 44/15, s. 3.

(5)  For sheet-fed lithographic printing engaged in at the printing facility, either on its own or in combination with other printing, the following requirements apply for the purposes of subsection 5 (1):

1. Any fountain solution used shall have a volatile organic compound concentration that is less than 15 per cent by weight, as specified by the manufacturer of the fountain solution.

2. Any ink used after the addition of any reducers shall have a volatile organic compound concentration that is less than 15 per cent by weight.

3. Any coating used shall have a volatile organic compound concentration that is less than 15 per cent by weight, as specified by the manufacturer of the coating.

4. Any adhesive used shall have a volatile organic compound concentration that is less than 15 per cent by weight, as specified by the manufacturer of the adhesive.

5. If, for the purpose of meeting the criterion set out in paragraph 1 of subsection 14 (2), a distance set out in Column 1 of the Table to that paragraph must be met or exceeded as described in that paragraph, the amount of lithographic printing materials used in a month at the facility shall not exceed the highest amount set out opposite that distance in Column 2 of that Table. O. Reg. 44/15, s. 3.

(6)  For screen printing engaged in at the printing facility, either on its own or in combination with other printing, the following requirements apply for the purposes of subsection 5 (1):

1. The exhaust stacks associated with a screen reclamation area or dryer shall be oriented vertically and shall be free of any impediments that would prevent the flow of emissions.

2. Any organic solvent based liquid ink used shall have a volatile organic compound concentration that is less than or equal to 400 g/L.

3. If, for the purpose of meeting the criterion set out in paragraph 1 of subsection 7 (2), a distance set out in Column 1 of the Table to that paragraph must be met or exceeded as described in that paragraph,

i. the amount of screen printing materials used in a month at the facility shall not exceed the highest amount set out opposite that distance in Column 2 of that Table, and

ii. the amount of cleaning solutions used in a month at the facility shall not exceed the highest amount set out opposite that distance in Column 3 of that Table. O. Reg. 44/15, s. 3.

Activity requirements, s. 20.21 (1) (c) of the Act — combinations of printing processes

**5.2**(1)  If both digital printing and screen printing are engaged in at the printing facility, the following requirements apply for the purposes of subsection 5 (1):

1. If, for the purpose of meeting the criterion set out in paragraph 1 of subsection 8 (2), a distance set out in Column 1 of the Table to that paragraph must be met or exceeded as described in that paragraph,

i. the amount of organic solvent based liquid inks used in digital printing in a month at the facility shall not exceed the highest amount set out opposite that distance in Column 2 of that Table,

ii. the amount of water based liquid inks used in digital printing in a month at the facility shall not exceed the highest amount set out opposite that distance in Column 3 of that Table,

iii. the amount of cleaning solutions used in screen printing in a month at the facility shall not exceed the highest amount set out opposite that distance in Column 4 of that Table, and

iv. the amount of organic solvent based liquid inks used in digital printing in a month at the facility and screen printing materials used in screen printing in a month at the facility shall not exceed the highest amount set out opposite that distance in Column 5 of that Table. O. Reg. 44/15, s. 3.

(2)  If both heatset web lithographic printing and newspaper lithographic printing are engaged in at the printing facility, the following requirements apply for the purposes of subsection 5 (1):

1. If, for the purpose of meeting the criterion set out in paragraph 1 of subsection 12 (2), a distance set out in Column 1 of the Table to that paragraph must be met or exceeded as described in that paragraph,

i. the amount of inks used in heatset web lithographic printing in a month at the facility shall not exceed the highest amount set out opposite that distance in Column 2 of that Table, and

ii. the amount of lithographic printing materials used in a month at the facility shall not exceed the highest amount set out opposite that distance in Column 3 of that Table.

2. If, for the purpose of meeting the criterion set out in paragraph 1 of subsection 13 (2), a distance set out in Column 1 of the Table to that paragraph must be met or exceeded as described in that paragraph,

i. the amount of inks used in heatset web lithographic printing in a month at the facility shall not exceed the highest amount set out opposite that distance in Column 2 of that Table, and

ii. the amount of lithographic printing materials used in a month at the facility shall not exceed the highest amount set out opposite that distance in Column 3 of that Table. O. Reg. 44/15, s. 3.

(3)  If heatset web lithographic printing and one or both of non-heatset web lithographic printing and sheet-fed lithographic printing are engaged in at the printing facility, the following requirements apply for the purposes of subsection 5 (1):

1. If, for the purpose of meeting the criterion set out in paragraph 1 of subsection 15 (2), a distance set out in Column 1 of the Table to that paragraph must be met or exceeded as described in that paragraph,

i. the amount of inks used in heatset web lithographic printing in a month at the facility shall not exceed the highest amount set out opposite that distance in Column 2 of that Table, and

ii. the amount of lithographic printing materials used in a month at the facility shall not exceed the highest amount set out opposite that distance in Column 3 of that Table. O. Reg. 44/15, s. 3.

Part III  
Digital printing and Screen printing — criteria

Digital

**6.**(1)  Subject to subsection (3), this section applies in respect of a printing facility at which one or both of the following are engaged in:

1. Digital printing using organic solvent based liquid inks.

2. Digital printing using water based liquid inks. O. Reg. 349/12, s. 6 (1).

(2)  For the purposes of paragraph 1 of subsection 3 (2), the criteria are the following:

1. The distance between the centre of each building in which a printing press is used or operated at the printing facility and the property boundary of the facility is not less than the distance set out in Column 1 of the following Table opposite the total amount of,

i. organic solvent based liquid inks used in a month at the facility under normal operation, set out in Column 2 of the Table, and

ii. water based liquid inks used in a month at the facility under normal operation, set out in Column 3 of the Table:

Table

|  |  |  |  |
| --- | --- | --- | --- |
| Item | Column 1  Distance in metres | Column 2  Organic solvent based liquid inks in litres | Column 3  Water based liquid inks in litres |
| 1. | 20 | ≤ 230 | ≤ 1,850 |
| 2. | 30 | > 230 to ≤ 290 | > 1,850 to ≤ 2,320 |
| 3. | 50 | > 290 to ≤ 650 | > 2,320 to ≤ 5,200 |
| 4. | 100 | > 650 to ≤ 1,780 | > 5,200 to ≤ 14,280 |

2. The total amount of organic solvent based liquid inks used in a month at the facility under normal operation does not exceed 1,780 litres.

3. The total amount of water based liquid inks used in a month at the facility under normal operation does not exceed 14,280 litres. O. Reg. 349/12, s. 6 (2); O. Reg. 44/15, s. 4.

(3)  This section does not apply in respect of a printing facility to which section 8 applies. O. Reg. 349/12, s. 6 (3).

Screen

**7.**(1)  Subject to subsection (3), this section applies in respect of a printing facility at which screen printing is engaged in. O. Reg. 349/12, s. 7 (1).

(2)  For the purposes of paragraph 1 of subsection 3 (2), the criteria are the following:

1. The distance between the centre of each building in which a printing press is used or operated at the printing facility and the property boundary of the facility is not less than the distance set out in Column 1 of the following Table opposite the total amount of,

i. screen printing materials used in a month at the facility under normal operation, set out in Column 2 of the Table, and

ii. cleaning solutions used in a month at the facility under normal operation, set out in Column 3 of the Table:

Table

|  |  |  |  |
| --- | --- | --- | --- |
| Item | Column 1  Distance in metres | Column 2  Screen printing materials in litres | Column 3  Cleaning solutions in litres |
| 1. | 20 | ≤ 460 | ≤ 50 |
| 2. | 30 | > 460 to ≤ 590 | > 50 to ≤ 60 |
| 3. | 50 | > 590 to ≤ 1,120 | > 60 to ≤ 320 |
| 4. | 100 | > 1,120 to ≤ 3,400 | > 320 to ≤ 580 |

2. The total amount of screen printing materials used in a month at the facility under normal operation does not exceed 3,400 litres.

3. The total amount of cleaning solutions used in a month at the facility under normal operation does not exceed 580 litres. O. Reg. 349/12, s. 7 (2); O. Reg. 44/15, s. 5.

(3)  This section does not apply in respect of a printing facility to which section 8 applies. O. Reg. 349/12, s. 7 (3).

Digital and screen

**8.**(1)  This section applies in respect of a printing facility at which both digital printing and screen printing are engaged in. O. Reg. 349/12, s. 8 (1).

(2)  For the purposes of paragraph 1 of subsection 3 (2), the criteria are the following:

1. The distance between the centre of each building in which a printing press is used or operated at the printing facility and the property boundary of the printing facility is not less than the distance set out in Column 1 of the following Table opposite the total amount of,

i. organic solvent based liquid inks used in digital printing in a month at the facility under normal operation, set out in Column 2 of the Table,

ii. water based liquid inks used in digital printing in a month at the facility under normal operation, set out in Column 3 of the Table,

iii. cleaning solutions used in screen printing in a month at the facility under normal operation, set out in Column 4 of the Table, and

iv. organic solvent based liquid inks used in digital printing in a month at the facility under normal operation and screen printing materials used in screen printing in a month at the facility under normal operation, set out in Column 5 of the Table:

Table

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Item | Column 1  Distance in metres | Column 2  Organic solvent based liquid inks used in digital printing in litres | Column 3  Water based liquid inks used in digital printing in litres | Column 4  Cleaning solutions used in screen printing in litres | Column 5  Organic solvent based liquid inks used in digital printing and screen printing materials used in screen printing in litres |
| 1. | 20 | ≤ 230 | ≤ 1,850 | ≤ 50 | ≤ 460 |
| 2. | 30 | > 230 to ≤ 290 | > 1,850 to ≤ 2,320 | > 50 to ≤ 60 | > 460 to ≤ 590 |
| 3. | 50 | > 290 to ≤ 650 | > 2,320 to ≤ 5,200 | > 60 to ≤ 320 | > 590 to ≤ 1,120 |
| 4. | 100 | > 650 to ≤ 1,780 | > 5,200 to ≤ 14,280 | > 320 to ≤ 580 | > 1,120 to ≤ 3,400 |

2. The total amount of organic solvent based liquid inks used in digital printing in a month at the facility under normal operation does not exceed 1,780 litres.

3. The total amount of water based liquid inks used in digital printing in a month at the facility under normal operation does not exceed 14,280 litres.

4. The total amount of cleaning solutions used in screen printing in a month at the facility under normal operation does not exceed 580 litres.

5. The total amount of organic solvent based liquid inks used in digital printing in a month at the facility under normal operation and screen printing materials used in screen printing in a month at the facility under normal operation does not exceed 3,400 litres. O. Reg. 349/12, s. 8 (2); O. Reg. 44/15, s. 6.

Part IV  
Lithographic printing — criteria

Heatset web

**9.**(1)  Subject to subsection (3), this section applies in respect of a printing facility at which heatset web lithographic printing is engaged in. O. Reg. 349/12, s. 9 (1).

(2)  For the purposes of paragraph 1 of subsection 3 (2), the criteria are the following:

1. The distance between the centre of each building in which a printing press is used or operated at the printing facility and the property boundary of the facility is not less than the distance set out in Column 1 of the following Table opposite the total amount, set out in Column 2 of the Table, of lithographic printing materials used in a month at the facility under normal operation:

Table

|  |  |  |
| --- | --- | --- |
| Item | Column 1  Distance in metres | Column 2  Lithographic printing materials in litres |
| 1. | 30 | ≤ 330 |
| 2. | 50 | > 330 to ≤ 670 |
| 3. | 100 | > 670 to ≤ 1,830 |

2. The total amount of lithographic printing materials used in a month at the facility under normal operation does not exceed 1,830 litres. O. Reg. 349/12, s. 9 (2); O. Reg. 44/15, s. 7.

(3)  This section does not apply in respect of a printing facility to which section 12, 13 or 15 applies. O. Reg. 349/12, s. 9 (3).

Newspaper (high VOC inks or high VOC fountain solutions)

**10.**(1)  Subject to subsection (3), this section applies in respect of a printing facility at which newspaper lithographic printing using any high VOC inks or high VOC fountain solutions is engaged in. O. Reg. 349/12, s. 10 (1).

(2)  For the purposes of paragraph 1 of subsection 3 (2), the criteria are the following:

1. The distance between the centre of each building in which a printing press is used or operated at the printing facility and the property boundary of the facility is not less than the distance set out in Column 1 of the following Table opposite the total amount, set out in Column 2 of the Table, of lithographic printing materials used in a month at the facility under normal operation:

Table

|  |  |  |
| --- | --- | --- |
| Item | Column 1  Distance in metres | Column 2  Lithographic printing materials in litres |
| 1. | 20 | ≤ 1,070 |
| 2. | 30 | > 1,070 to ≤ 1,430 |
| 3. | 50 | > 1,430 to ≤ 3,710 |
| 4. | 100 | > 3,710 to ≤ 8,790 |

2. The total amount of lithographic printing materials used in a month at the facility under normal operation does not exceed 8,790 litres. O. Reg. 349/12, s. 10 (2); O. Reg. 44/15, s. 8.

(3)  This section does not apply in respect of a printing facility to which section 12 applies. O. Reg. 349/12, s. 10 (3).

Newspaper (low VOC inks and low VOC fountain solutions)

**11.**(1)  Subject to subsection (3), this section applies in respect of a printing facility at which newspaper lithographic printing using low VOC inks and low VOC fountain solutions is engaged in. O. Reg. 349/12, s. 11 (1).

(2)  For the purposes of paragraph 1 of subsection 3 (2), the criteria are the following:

1. The distance between the centre of each building in which a printing press is used or operated at the printing facility and the property boundary of the facility is not less than the distance set out in Column 1 of the following Table opposite the total amount, set out in Column 2 of the Table, of lithographic printing materials used in a month at the facility under normal operation:

Table

|  |  |  |
| --- | --- | --- |
| Item | Column 1  Distance in metres | Column 2  Lithographic printing materials in litres |
| 1. | 20 | ≤ 2,670 |
| 2. | 30 | > 2,670 to ≤ 3,870 |
| 3. | 50 | > 3,870 to ≤ 8,690 |
| 4. | 100 | > 8,690 to ≤ 23,880 |

2. The total amount of lithographic printing materials used in a month at the facility under normal operation does not exceed 23,880 litres. O. Reg. 349/12, s. 11 (2); O. Reg. 44/15, s. 9.

(3)  This section does not apply in respect of a printing facility to which section 10, 12 or 13 applies. O. Reg. 349/12, s. 11 (3).

Heatset web and newspaper (high VOC inks or high VOC fountain solutions)

**12.**(1)  This section applies in respect of a printing facility at which both of the following are engaged in:

1. Heatset web lithographic printing.

2. Newspaper lithographic printing using any high VOC inks or high VOC fountain solutions. O. Reg. 349/12, s. 12 (1).

(2)  For the purposes of paragraph 1 of subsection 3 (2), the criteria are the following:

1. The distance between the centre of each building in which a printing press is used or operated at the printing facility and the property boundary of the facility is not less than the distance set out in Column 1 of the following Table opposite the total amount of,

i. inks used in heatset web lithographic printing in a month at the facility under normal operation, set out in Column 2 of the Table, and

ii. lithographic printing materials used in a month at the facility under normal operation, set out in Column 3 of the Table:

Table

|  |  |  |  |
| --- | --- | --- | --- |
| Item | Column 1  Distance in metres | Column 2  Inks used in heatset web lithographic printing in litres | Column 3  Lithographic printing materials in litres |
| 1. | 30 | ≤ 60 | ≤ 1,160 |
| 2. | 50 | > 60 to ≤ 120 | > 1,160 to ≤ 2,440 |
| 3. | 100 | > 120 to ≤ 390 | > 2,440 to ≤ 7,790 |

2. The total amount of inks used in heatset web lithographic printing in a month at the facility under normal operation does not exceed 390 litres.

3. The total amount of lithographic printing materials used in a month at the facility under normal operation does not exceed 7,790 litres. O. Reg. 349/12, s. 12 (2); O. Reg. 44/15, s. 10.

Heatset web and newspaper (low VOC inks and low VOC fountain solutions)

**13.**(1)  Subject to subsection (3), this section applies in respect of a printing facility at which both of the following are engaged in:

1. Heatset web lithographic printing.

2. Newspaper lithographic printing using low VOC inks and low VOC fountain solutions. O. Reg. 349/12, s. 13 (1).

(2)  For the purposes of paragraph 1 of subsection 3 (2), the criteria are the following:

1. The distance between the centre of each building in which a printing press is used or operated at the printing facility and the property boundary of the facility is not less than the distance set out in Column 1 of the following Table opposite the total amount of,

i. inks used in heatset web lithographic printing in a month at the facility under normal operation, set out in Column 2 of the Table, and

ii. lithographic printing materials used in a month at the facility under normal operation, set out in Column 3 of the Table:

Table

|  |  |  |  |
| --- | --- | --- | --- |
| Item | Column 1  Distance in metres | Column 2  Inks used in heatset web lithographic printing in litres | Column 3  Lithographic printing materials in litres |
| 1. | 30 | ≤ 50 | ≤ 2,460 |
| 2. | 50 | > 50 to ≤ 100 | > 2,460 to ≤ 5,110 |
| 3. | 100 | > 100 to ≤ 330 | > 5,110 to ≤ 16,700 |

2. The total amount of inks used in heatset web lithographic printing in a month at the facility under normal operation does not exceed 330 litres.

3. The total amount of lithographic printing materials used in a month at the facility under normal operation does not exceed 16,700 litres. O. Reg. 349/12, s. 13 (2); O. Reg. 44/15, s. 11.

(3)  This section does not apply in respect of a printing facility to which section 12 applies. O. Reg. 349/12, s. 13 (3).

Non-heatset web, sheet-fed or both

**14.**(1)  Subject to subsection (3), this section applies in respect of a printing facility if one or both of non-heatset web lithographic printing and sheet-fed lithographic printing are engaged in at the facility. O. Reg. 349/12, s. 14 (1).

(2)  For the purposes of paragraph 1 of subsection 3 (2), the criteria are the following:

1. The distance between the centre of each building in which a printing press is used or operated at the printing facility and the property boundary of the facility is not less than the distance set out in Column 1 of the following Table opposite the total amount, set out in Column 2 of the Table, of lithographic printing materials used in a month at the facility under normal operation:

Table

|  |  |  |
| --- | --- | --- |
| Item | Column 1  Distance in metres | Column 2  Lithographic printing materials in litres |
| 1. | 20 | ≤ 500 |
| 2. | 30 | > 500 to ≤ 680 |
| 3. | 50 | > 680 to ≤ 1,420 |
| 4. | 100 | > 1,420 to ≤ 3,890 |

2. The total amount of lithographic printing materials used in a month at the facility under normal operation does not exceed 3,890 litres. O. Reg. 349/12, s. 14 (2); O. Reg. 44/15, s. 12.

(3)  This section does not apply in respect of a printing facility to which section 15 applies. O. Reg. 349/12, s. 14 (3).

Heatset web, non-heatset web and sheet-fed, combinations

**15.**(1)  This section applies in respect of a printing facility that meets one of the following descriptions:

1. Heatset web lithographic printing and non-heatset web lithographic printing are engaged in at the facility.

2. Heatset web lithographic printing and sheet-fed lithographic printing are engaged in at the facility.

3. Heatset web lithographic printing, non-heatset web lithographic printing and sheet-fed lithographic printing are engaged in at the facility. O. Reg. 349/12, s. 15 (1).

(2)  For the purposes of paragraph 1 of subsection 3 (2), the criteria are the following:

1. The distance between the centre of each building in which a printing press is used or operated at the printing facility and the property boundary of the facility is not less than the distance set out in Column 1 of the following Table opposite the total amount of,

i. inks used in heatset web lithographic printing in a month at the facility under normal operation, set out in Column 2 of the Table, and

ii. lithographic printing materials used in a month at the facility under normal operation, set out in Column 3 of the Table:

Table

|  |  |  |  |
| --- | --- | --- | --- |
| Item | Column 1  Distance in metres | Column 2  Inks used in heatset web lithographic printing in litres | Column 3  Lithographic printing materials in litres |
| 1. | 30 | ≤ 50 | ≤ 540 |
| 2. | 50 | > 50 to ≤ 110 | > 540 to ≤ 1,110 |
| 3. | 100 | > 110 to ≤ 330 | > 1,110 to ≤ 3,270 |

2. The total amount of inks used in heatset web lithographic printing in a month at the facility under normal operation does not exceed 330 litres.

3. The total amount of lithographic printing materials used in a month at the facility under normal operation does not exceed 3,270 litres. O. Reg. 349/12, s. 15 (2); O. Reg. 44/15, s. 13.

Part V  
Miscellaneous

Records

**16.**(1)  A person who engages in an activity prescribed by section 3 shall ensure that each of the following records is retained for a period of five years from the day it is created:

1. A record of the following information:

i. The name or identification number and manufacturer of each ink, reducer, coating, adhesive, fountain solution and cleaning solution used in each printing process at the printing facility.

ii. The amount of each of the items mentioned in subparagraph i used per month, expressed in litres.

iii. The volatile organic compound concentration of each ink (after the addition of reducers), coating, adhesive and fountain solution used in heatset web lithographic printing, non-heatset web lithographic printing and sheet-fed lithographic printing at the facility, expressed as a percentage by weight.

iv. The volatile organic compound concentration of each ink and fountain solution used in newspaper lithographic printing at the facility, expressed as a percentage by weight.

v. The volatile organic compound concentration of each organic solvent based liquid ink used in screen printing at the facility, expressed in grams per litre.

2. A record of the following information with respect to each inspection, maintenance and repair of each printing production assembly that is part of a printing press, piece of equipment used or operated in a screen reclamation area, noise generating equipment unit and piece of equipment used or operated to control the discharge of contaminants from the printing press at the printing facility:

i. The date and a summary of the inspection, maintenance or repair.

ii. The name of the person who performed the inspection, maintenance or repair.

iii. If the person referred to in subparagraph ii is an employee, the name of the person’s employer or the name of the business that employs the person.

iv. A summary of any unsatisfactory conditions observed or discovered and the steps taken to correct such conditions.

3. A copy of every document relating to each inspection, maintenance and repair mentioned in paragraph 2.

4. A record of the following information with respect to each complaint received by the person with respect to the printing facility, if the complaint relates to the natural environment:

i. The date and time when the complaint was received.

ii. A copy of the complaint, if it is a written complaint.

iii. A summary of the complaint, if it is not a written complaint.

iv. A summary of measures taken, if any, to address the complaint. O. Reg. 349/12, s. 16 (1).

(2)  A person who engages in an activity prescribed by section 3 shall ensure that each of the following records in respect of an item is retained for the period during which the item is used or operated as part of the printing facility:

1. A record of the type, manufacturer and model number of each printing production assembly that is part of a printing press at the printing facility.

2. Documents relating to the recommendations of the manufacturer of each item mentioned in paragraph 2 of subsection (1) with respect to the use, operation and maintenance of the item. O. Reg. 349/12, s. 16 (2).

(3)  A person who engages in an activity prescribed by section 3 shall ensure that a spills prevention and management plan with respect to the printing facility is retained for the period during which the facility operates, setting out, at a minimum, the following information:

1. Procedures for the cleanup of a spill of chemicals used in a printing process.

2. Materials to be used to clean up spills.

3. The location of all floor drains.

4. The location of materials that may be used to temporarily seal floordrains in the event of a spill.

5. The names of the persons who are to be notified in the event of a spill. O. Reg. 349/12, s. 16 (3).

Prescribed date approval ceases to have effect

**17.**For the purposes of clause 20.17 (b) of the Act, November 18, 2022 is prescribed as the day on which an environmental compliance approval issued in respect of any activity to which this Part applies ceases to apply to that activity. O. Reg. 349/12, s. 17; O. Reg. 44/15, s. 14.

Part **VI** (OMITTED)

**18.**  Omitted (provides for coming into force of provisions of this Regulation). O. Reg. 349/12, s. 18.

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