



**Federal Pollution
Prevention (P2) Planning
Requirements
under CEPA, 1999:
A Progress Update**

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Outline

1. Brief review of CEPA Part 4 P2 planning provisions.
2. Summary of notices developed to date/being developed.
3. What's next?



Background

- ◆ Part 4 of CEPA, 1999 includes a new authority for the Minister:
 - **to require the preparation and implementation of P2 plans** for substances on the List of Toxic Substances (Schedule 1 to CEPA)
- ◆ in addition to authority to regulate toxic substances



Process prior to a P2 planning requirement

- ◆ Risk Assessment: Substance of concern identified; assessed for toxicity to environment and human health
- ◆ If **toxic** as per CEPA definition, may be added to the List of Toxic Substances
- ◆ Risk Management: Identify instruments to use in managing substance; P2 planning is one possible instrument



Basic elements of CEPA

P2 planning

- ◆ *Gazette* Notice (proposed and final)
- ◆ Declarations
 - Of Preparation
 - Of Implementation
 - Interim Progress Reports (if required)
- ◆ Time extensions
- ◆ Waivers
- ◆ Use of other plans
- ◆ Plans kept on site
- ◆ Required to submit plans on request, not otherwise
- ◆ Penalties for not complying or for providing false information



Information to be publicly posted on website

- ◆ Declarations of Preparation
- ◆ Declarations of Implementation
- ◆ Amendments to Declarations
- ◆ Interim Progress Reports
- ◆ Requests for time extensions and Minister's response
- ◆ Requests to waive factors to consider and Minister's response



P2 notices published/ in development

- Acrylonitrile (synthetic rubber manufacturers)
- Ammonia dissolved in water, inorganic chloramines, chlorinated wastewater effluent (municipal wastewater effluents)
- Dichloromethane (5 sectors)
- Textile mill effluents and nonylphenol and its ethoxylates (textile mills using wet processing)
- Nonylphenol and its ethoxylates (commercial products)



Acrylonitrile

- Acrylonitrile released by synthetic rubber manufacturers
- expected to target 1 facility
- stipulates 12 months to prepare plan
- must be implemented by May 2007
- objective: to reduce the releases to the lowest achievable levels by the application of best available techniques economically achievable by December 31, 2005
- final notice published May 24, 2003



Ammonia dissolved in water, inorganic chloramines, chlorinated wastewater effluent

- Treatment facilities discharging >5000m³/day, above ammonia or chlorine threshold, meeting certain receiving environment criteria.
- ~150 facilities
- 2 years to prepare, 2 years to implement
- objective: total residual chlorine (TRC) 0.02 mg/L, reduce ammonia
- Proposed notice published June 7, 2003; 60 day comment period



Textile mill effluents (TME) and nonylphenol and its ethoxylates (NPE)

- textile industry using wet processing
- ~150 facilities
- Prepare plans by Jan 2006; implement by Jan 2010
- Proposed notice published June 7, 2003; 60 day comment period
- Objectives:
 - TME: maximum acute toxicity of 13% IC50
 - NPE: Reduce the annual use of NP/NPEs by at least 97% on a mass basis relative 1998.



Dichloromethane (DCM)

aircraft paint stripping;
polyurethane foam
blowing; adhesives
manufacturing;
pharmaceuticals; and
industrial cleaning

- ~80 facilities
- 6 months to prepare plan; implement by Dec 2005/May 2008

- objective: to reduce aggregate dichloromethane releases by 85 percent from 1995 base year levels by January 1, 2007.
- final notice will be published summer 2003



NP/NPEs in commercial products

- purchase >1000kg NPEs per year for manufacturing/import between 2003 and 2012
- ~200 facilities
- prepare by June 2005 (or 6 months), implement by Dec 2010 (or 36 months)
- Objectives: reduce use by 50% by 2007, 95% by 2010 relative to 1998
- Working document to be circulated summer 2003



New support documents

- on-line P2 planning tutorial:
 - http://www.ec.gc.ca/NOPP/P2TUT/en/index_e.html
- New facts sheets:

P2	CEPA Part 4
P2 planning	P2 planning & EMSs

 - <http://www.ec.gc.ca/NOPP/P2P/en/P2tools.cfm>



What's next?

- more P2 planning requirements in *Canada Gazette*
- sample P2 plan to be put on-line for a real facility based on model plan in Handbook
- on-line reporting system and database, with public access to declarations and requests submitted.

Stay tuned at:

<http://www.ec.gc.ca/NOPP/P2P/en/P2plan.cfm>

<http://www.ec.gc.ca/CEPARegistry/plans/P2/>