

E2 Regulations Reporting



What to Report?

- Total quantity of any listed substance that meets or exceeds applicable threshold; or,
- Capacity of single largest container on site that meets or exceeds threshold
- Or both*
- All thresholds assume 100% purity
- Concentration must be at least stated minimum
- Maximum expected quantity concept

* *Both criteria must apply to require E2 plan preparation and implementation*



Calculation of Quantities

Flammable Mixtures

- **The following criteria must be met:**
 - flash point $< 23^{\circ}\text{C}$
 - boiling point $< 35^{\circ}\text{C}$
 - Concentration is equal to or greater than that shown in Column 2 of Part 1 of Schedule 1
 - Total amount of the mixture = 4.5 tonnes or greater and
 - Storage container = 4.5 tonnes or greater



Calculation of Quantities

Hazardous Mixtures

- **The following criteria must be met:**
 - partial pressure of the substance in the mixture exceeds 10 mm of Hg
 - Concentration is equal to or greater than that shown in Column 2 of Part 2 of Schedule 1
 - Total amount of substance = concentration of substance in solution x weight of solution
 - Storage container = threshold amount or greater



Reporting Obligations

For existing qualifying facilities:

- File Notice of Identification of Substance and Place within 90 days of coming into force (04-02-16)
- File Notice of Plan Preparation, if required, within 6 months (04-05-18)
- File Notice of Plan Implementation and Testing, if required, within one year (04-11-18)

For new facilities, must begin filing 90 days after criteria first apply



How to Report?

- On-line followed by either mailing or faxing paper copies of notices and accompanying verifications to appropriate EC Regional office
- Mailing or faxing completed forms if no Internet access
- All notices filed must include verification
- Electronic signature capability not yet available

E2 Plan Filing

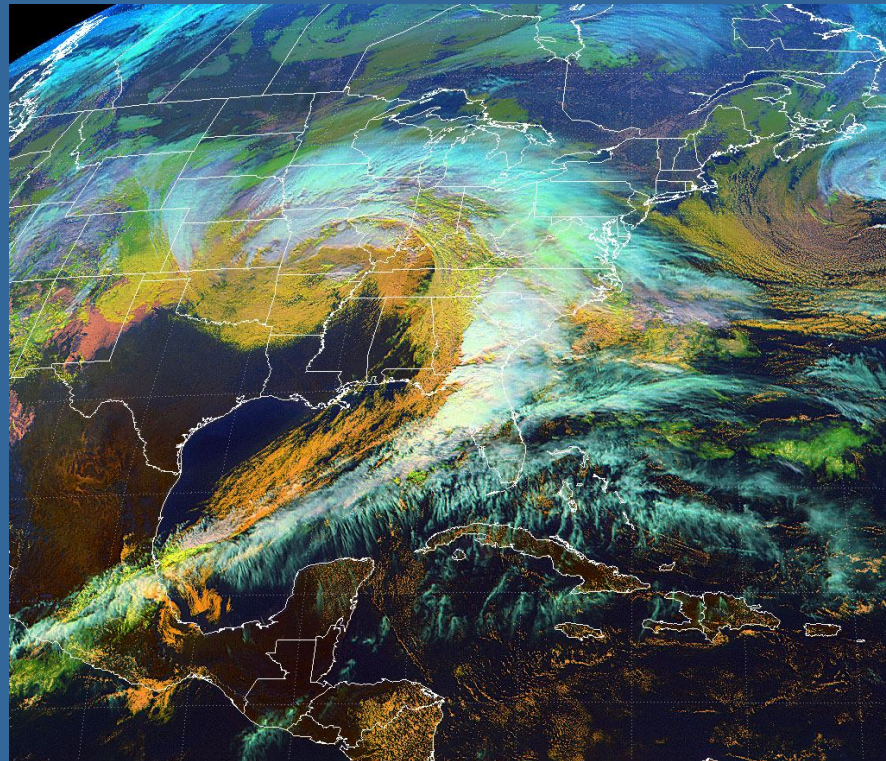
Why online?

- Fast and efficient.
- Very high and still increasing rate of web connection/use in modern commerce.
- Ease of data manipulation - statistics, compilations and searches .
- Fits in with EC's "One Window" data reporting vision - *more on this later...*



E2 Online Notification

How will it work?



“Questionmark Snowstorm“ 24/12/1997 - courtesy of NASA

Opening Screen



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Canada

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ENVIRONMENTAL EMERGENCIES



URGENCES ENVIRONNEMENTALES

English


Français

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[Avis importants](#)

Getting Started...

Address  <http://adamdev/cepa2/cepa2.cfm?screen=Help/FAQ&language=en&&Language=en>



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Common Issues

Public and Industry questions about the E2 regulation received during the [Canada Gazette](#) 60-day comment period.

1. [General](#)
2. [Duplication/Harmonization](#)
3. [E2 Plans: i- Content of Plan; ii- Notices/Filing; iii- Testing](#)
4. [List or Substance Information](#)
5. [Local Involvement](#)
6. [Mixtures/Concentrations](#)
7. [Notification of Change](#)
8. [Ownership](#)
9. [Quantity Calculation](#)
10. [Request for Exemptions or Exclusions](#)
11. [Schedules](#)
12. [Threshold Quantities](#)
13. [Access to Information/Confidentiality](#)

Getting Started...

Address  <http://adamdev/cepae2/cepae2.cfm?screen=Help/HowToFile&language=en&UserID=-59665&Token=Public&Language=en>

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How to submit a Notice

Notice of identification of substance and place

This is to be submitted within 90 days of the regulations coming into force, or 90 days after a substance reaches or exceeds the prescribed quantity. The notice shall identify:

- the facilities to which the regulations are applicable,
- the location of the facility,
- the applicable substance/substances,
- the maximum amounts used or stored at anytime during a year.

On completing an online notice of certification, a printable form will be generated. This form must be signed by the appropriate authority, and mailed to the Regional Environment Canada address given at the top of the form. You will receive an e-mail and file number confirming Environment Canada's receipt of this hard copy. Please keep a copy of the form for your records.


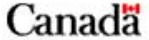
You may also fax this form to your regional Environment Canada Office at the following numbers: Atlantic 902-426-9709, Quebec 514-496-1157, Ontario 416-739-4953, Prairie and Northern 780-495-2451, Pacific and Yukon 604-666-1140.

Notice of preparation

This notice indicates that the required E2 plan has been prepared, and is to be submitted within six months of the regulations coming into force, or six months

Identification of Substance and Place Notice

Address <http://adamdev/cepae2/cepae2.cfm?screen=Facilities/Edit&FacilityID=0&AddType=Declaration&WizardStart=false&P>

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Facility Profile

Facility Name


Street number

Street name

City

Province

Postal Code

Latitude  Link

Longitude


Contacts

Head Office

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Identification of Substance and Place Notice, *cont..*

Address  <http://adamdev/cepae2/cepae2.cfm?screen=Declarations/Start&WizardStart=false&FacilityID=197&PageRef=&Action=Add&WizardID=0&PagePassed=8>

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Create New Notice Profile


1.0 Location of a place where one or more substances are located
Facility

3.0 Substances Located at the Place
GazetteHint : hold down the Shift or Control keys to select multiple substances.

- 100-41-4 ethylbenzene (UN 1175)
- 10025-78-2 trichlorosilane (UN 1295)
- 10025-87-3 phosphorus oxychloride (concentration 10% or greater) (UN 1810)
- 10035-10-6 hydrogen bromide (hydrobromic acid) (concentration 10% or greater) (UN 1048 & 1788)
- 10049-04-4 chlorine dioxide (concentration 1% or greater) (UN no number)**
- 10102-43-9 nitric oxide (concentration 10% or greater) (UN 1660)
- 10102-44-0 nitrogen dioxide (concentration 10% or greater) (UN 1067)
- 10294-34-5 boron trichloride (concentration 10% or greater) (UN 1741)
- 106-89-8 epichlorohydrin (concentration 10% or greater) (UN 2023)**
- 106-97-8 butane (UN 1011)
- 106-98-9 1-butene (UN 1012)
- 106-99-0 1,3-butadiene (UN 1010)

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Identification of Substance and Place Notice, cont..

Address  <http://adamdev/cepa2/cepa2.cfm?screen=Identification/Edit&WizardStart=false&PageRef=&PagePassed=Declarations/Star>

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Identification of Substance and Place Notice

NoticeID: E2-ID699

Amendment

Is this an amendment to a previous notice? No Yes

1.0 Location of place where one or more substances are located

Facility NameAcme
Street number11
Street namePlace
CityOttawa
ProvinceOntario
Postal Codek2Jh7G


3.0 Hazardous substances at this location


| CAS Number : Substance | Maximum Expected Quantity (tonnes) | Largest single container (tonnes) | Concentration (%) |
|---|------------------------------------|-----------------------------------|----------------------------------|
| 10049-04-4 : chlorine dioxide (concentration 1% or greater) | <input type="text" value="50"/> | <input type="text" value="50"/> | <input type="text" value="100"/> |
| 106-89-8 : epichlorohydrin (concentration 10% or greater) | <input type="text" value="50"/> | <input type="text" value="50"/> | <input type="text" value="100"/> |

[Finish](#)

Done

Identification of Substance and Place Notice, cont..

Address  http://adamdev/cepae2/cepae2.cfm

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The information has been saved!

If the printable report doesn't appear automatically, please click here:

[Show Report](#)

Thank-you, for your submission.

Both, the maximum expected quantity and the maximum container's capacity are equal to or exceed the minimum quantity determined by the regulation for the following substance(s) :

- 10049-04-4 : chlorine dioxide (concentration 1% or greater)
- 106-89-8 : epichlorohydrin (concentration 10% or greater)

Therefore, and with respect to the substance(s) listed above :

YES AN EMERGENCY PLAN IS NECESSARY

Your next notice : notice of preparation


Important!
Please do not forget to notify Environment Canada for any changes regarding your facility, contact(s) or substance(s) [Reg.3(4)].

As per Regulations, notice must be printed, signed and sent to the appropriate Environment Canada office.

 Done, but with errors on page.

Notice of Preparation

Address <http://adamdev/cepa2/cepa2.cfm?screen=Preparation/Edit&PreparationID=0&WizardPage=1&Action=Add&DecJoin>

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Notice of Preparation

NoticeID: E2-P697

Amendment

Is this an amendment to a previous notice? No Yes

1.0 Name or description of facility

Acme

2.0 Use of Prior Plans

2.1 Are you using an environmental emergency plan prepared or implemented on a voluntary basis? Yes No

2.2 Are you using an environmental emergency plan prepared or implemented for another government? Yes No


If yes, please specify.




2.3 Are you using an environmental emergency plan prepared or implemented under another Act of Parliament? Yes No

If yes, please specify.

3.0 Local Level Involvement

Notice of Implementation

Address  http://adamdev/cepae2/cepae2.cfm?screen=Preparation/Edit&PreparationID=0&WizardPage=1&Action=Add&DecJoin

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NoticeID: E2-I412

1.0 Name or description of facility: Steph's biz

Name of Substance(s) :

2.0 Implementation and Testing of the Environmental Emergency Plan

Date of testing of the plan 

Internal departments involved in the testing of the plan :

List any local authorities or community organizations or interest groups that have been involved in testing of the plan :

Searches

Environment Canada / Environnement Canada

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Modified: 2003-03-05

Reports

- Search by substance
- Search submission dates and file numbers
- Search by location
- Facility details

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Reports : Search by location

Facility Name:

Province:

Region:

Latitude:

Longitude:

Modified: 2003-03-05

| | | | | |
|------|----|-----------------------------|--|-----------------------------|
| 45.5 | 75 | Steph's biz | | 110-82-7 cyclohexane |
| 45.5 | 75 | Steph's biz | | 1333-74-0 hydrogen |
| 45.5 | 75 | Steph's biz | | 107-25-5 vinyl methyl ether |
| 45.5 | 75 | Steph's biz | | 107-02-8 acrolein |
| 45.5 | 75 | Steph's biz | | 10049-04-4 chlorine dioxide |

E2 Online Notification *Upkeep and improvement*

- Verify data, and periodically review database for duplication or other errors.
- Hardcopy of signatures to be filed - *for now*.
- Questions from public go to common email account - *CEPAE2@ec.gc.ca*
- Improvements to site can be made as required

E2 Online Notification

"One Stop Portal"

- A 'single window' into EC is being developed for the administration of regulatory and voluntary reporting.
- Workable site expected for 06/2004

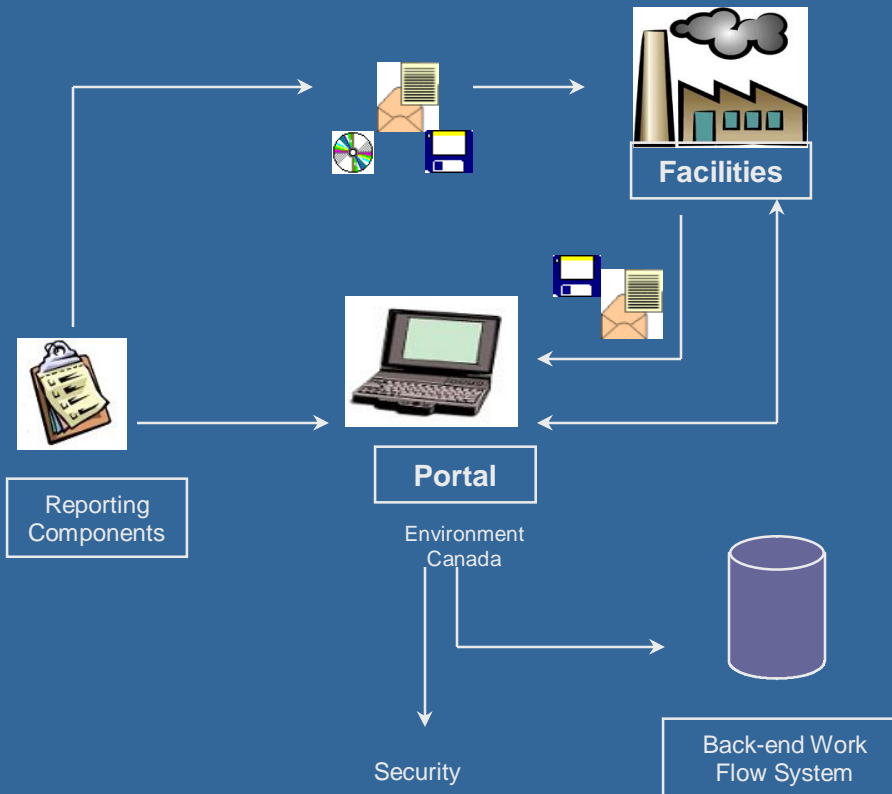


Spiral galaxy NGC 4414 - courtesy NASA

"One Stop Portal" - Development Map

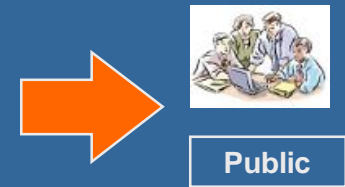
Comprehensive Reporting Requirements

- NPRI**
F.Lavallee
- CAC**
C. Vezina
- P2**
S. Spicer
- ARET**
B. Fisher
- EPA**
S.Spicer
- E2**
Peter Rudin-Brown
- MOE**
J. Georgakopoulos
- NERM**
Banco Caswell



Dissemination of Data

- NPRI**
- CAC**
- P2**
- ARET**
- EPA**
- E2**
- MOE**
- NERM**



Reporting Out

- Via website(s)
- Libraries
- Fact Sheets
- Etc.



For Further Information

Additional information may be found at:

- www.ec.gc.ca/ee_ue/
- www.cepae2.gc.ca