

Massachusetts Resource Conservation Planning

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TURA Amendments of 2006

The Law

Mass General Laws Chapter 21I:

Section 11 D, F, &G - Toxics Use Reduction Plans (and alternatives)

Section 12 F – Toxics Use Reduction Planners, RC Options

TURA Amendments of 2006

The Regulations

310 CMR 50.90

Resource Conservation Plans

310 CMR 50.63

Resource Conservation Planner Requirements

What is Resource Conservation?

An action that decreases the use or consumption of a natural asset such as water, energy, or raw material, or;...

What is Resource Conservation?

... increases the efficiency of the use of the assets,
without increasing risk to the public, workers,
consumers, or environment and
without increasing the amount of waste generated

310 CMR 50.10 Definitions

Why Do RC Planning?

- Provides **flexibility**
- Applies TUR Planning methods and skills to identify new opportunities for EH&S improvement
- Has important GHG/climate change benefits

Eligibility

A company that has completed one TUR plan and two plan updates may choose to:

1. do a toxics use reduction plan update;
2. **develop an alternative resource conservation plan;**
3. **implement a TUR EMS**

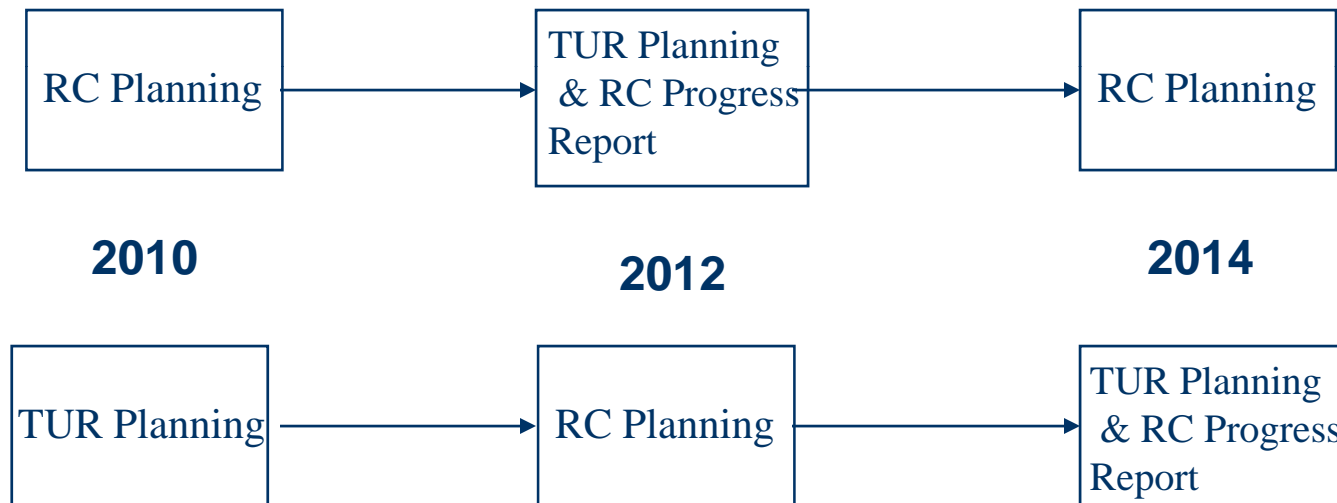
Requirements

- Complete a Resource Conservation plan
- Follow the required planning process
- File a RC plan summary with MassDEP by July 1 of planning year that is:
 - Certified by a TURP that it meets the requirements of 310 CMR 50.63, and,
 - Signed by the senior management official

Requirements

For the next plan cycle, complete a TUR plan update and a Resource Conservation Progress Report

RC/TUR Planning Options Timeline



RC Terminology

- Natural asset or asset*
- Source reduction*
- Operation*
- Opportunity
- Options

*310 CMR 50.10

RC Plan Requirements

- Selection of asset area(s)
- Facility-wide planning
 - Employee notification by Jan. 1
- Detailed planning
- Certification of the plan
- Plan summary and progress report

Resource Conservation

Asset Areas

- Energy use
- Water use
- Materials and products that contribute to solid waste
- Toxic substances used below threshold amounts
- Chemical substances exempt from TURA reporting

Facility-Wide Requirements

- Employee Notification
- Management Policy
- Scope of the Plan
 - Natural asset selected
 - Summary characterizing use of selected asset
 - Identification and ranking of opportunities for resource conservation
 - Descriptions of operations identified for detailed evaluation
 - Summary of process used for identifying options
 - Description of options selected for implementation
- Expected change in facility-wide usage

Detailed Plan Requirements

- Process flow diagram
- Total amount of asset used
- Unit of product
- Purpose of asset in relevant operations
- Cost of asset in relevant operations
- Goals for reducing use of asset
- Procedures used to identify RC techniques and options
- List of all options potentially achieving resource conservation of the asset
- Screening of options
- Technical evaluation of options
- Economic evaluation of options
- Schedule for implementation

Plan Certification

- RC Plan must be signed by
 - Certified TUR Planner with continuing education in RC
- AND
- Senior management official of facility

Plan Summary Form

- Must be submitted to MassDEP by July 1 of applicable year
- Asset chosen
- Operations for detailed planning
- Baseline use and expected change *due to options selected*
- Options selected
- Other options considered
- Goals for reducing use

Recap of RC Requirements

- Notify and solicit input from employees on the requirements of the Plan ***by Jan 1 of plan year.***
- Complete a Resource Conservation Plan.
- Submit to MassDEP a certified Resource Conservation Plan Summary.
- Submit to MassDEP a Resource Conservation Progress Report with the next TUR Plan Summary.
- Keep Records.

Information Resources

Mass DEP Website on RC Planning:

<http://www.mass.gov/dep/toxics/tura/rcplan.htm>

OTA Website:

www.mass.gov/envir/ota/

TURI Website:

www.turi.org/2009_tura_program

MassDEP Contacts

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