

- **Environmental Act in short terms**
- **The environmental board**
- **Eco Municipality in short terms**



Karl-Axel Reimer,
Department of Environment,
Södertälje Municipality, Sweden
karl-axel.reimer@sodertalje.se

Sweden has 16 environmental objectives

- <http://www.miljomal.nu/Environmental-Objectives-Portal/>

Environmental Objectives Portal - Microsoft Internet Explorer provided by Södertälje kommun

Verktyg Hjälp

www.miljomal.nu/Environmental-Objectives-Portal/

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Environmental Objectives... x DN Attacken kulmen på lång völd...

Sustainable development is the main objective

Generational goal

1. Reduced Climate Impact
2. Clean Air
3. Natural Acidification Only
4. A Non-Toxic Environment
5. A Protective Ozone Layer
6. A Safe Radiation Environment
7. Good-Quality Groundwater
8. A Balanced Marine Environment, Flourishing Coastal Areas and Archipelagos
9. Thriving Wetlands
10. Sustainable Forests
11. A Varied Agricultural Landscape

Environmental Objectives Portal

The Environmental Objectives Portal provides information and progress towards achieving them.

The environmental quality objectives describe what quality and state of the environment are sustainable in the long term.

Miljömålen på ny grund

Här hittar du 2011 års miljömålsuppföljning

The environmental act - general rules of consideration

Each company has to follow these general rules of consideration:

- Necessary knowledge
- Implement protective measures to prevent damage om environment or human health
- Principle of substitution. Don ´ t use stronger chemical than needed
- Conserve raw materials and energy. Reuse and recycle.
- Chose the most suitable place. Achieve the purpose with a minimum of damage or detriment to human health and the environment.

The environmental act

For environment and health - today and tomorrow

The environmental act - supervision

- Three levels of supervision – national, regional and local level. Depends on the type of activity, the risks for environment and health.
- Companies pay for supervision. Yearly fee and/or per hour depending on the need of supervision. The City Council decides the fees.
- The company pays for the needed supervision according to complaints.
- Many companies have to make a yearly environmental report
- The authority should contact the prosecutor if suspicion of crime

The environmental board

- Municipal board for the supervision according to the environmental act, the food act and some other related legislations
- 11 members - elected among local politicians
- The mission is to according to the law. Their political colour should not have any influence.
- The officials are employed to do the operative work. 15 employed in Södertälje for the environmental act.

National grants to stimulate sustainable development

- Local investment programs for sustainable development
- Solar energy
- Rationalize the use of energy
- Energy efficient windows
- "Green" cars
- Municipal energy and climate advisors

Local instruments

- Tariffs
- Local grants
- Public procurement (Public procurement act)
- Physical planning – a municipal monopoly

Swedish eco municipality – in simple terms

- Renewable natural resources
- Minimize the use of chemical compounds that cannot be broken down by nature
- Biodiversity, in nature and species
- Efficient use of natural resources
- Create cooperation between municipalities and share experiences

• Followed by the complete organization

A change in behaviour



Boat washer
instead of
dangerous
couloers for
antifouling



Ecological farm. Processing organic waste to gain renewable energy and nutrients. Could also process black water.



Methane driven tractor



Methane storage

- No artificial fertilizer
- Renewable energy (methane)



Rotting chamber



Consider the complete benefit for the society – all the connected aspects



- Cleaning of water
- Makes the treatment visible
- Biological values
- Pedagogical values
- Recreation values
- Beauty

Infrastructure for safe reuse of blackwater (urine + faeces) in agriculture

Link to video about the system for treatment of blackwater. Wet composting combined with treatment by adding of Urea.

<http://www.telge.se/Vatten--avlopp/Avlopp/kretsloppanlaggning/>