Integration of sustainability issues into Port Planning using Strategic Environmental Assessment

Case Study: Port of Cape Town

SOUTH AFRICA
The difference in focus between EIA and SEA
(Source: adapted from Strategic Environmental Assessment: A Primer, CSIR, 1996:8)
• Strategic issues
• Status of Environment
  (opportunities and constraints)
Port of Cape Town
Port-city planning
Port of Cape Town
Social issues
Port of Cape Town
Coastal dynamics
Historic Overview: Port of Cape Town

1870 - 1920
1920 - 1933
1933 - 1945
1945 - 1966
1966 - 1977

Port of Cape Town
Historical
Port of Cape Town Economics

Containers handled per annum

See Port Development Framework (NPA, 2002) for full details of Multi-Purpose Terminal development.
South African SEA Guidelines (DEAT):

“SEA is defined as a process of integrating the concept of sustainability into strategic decision-making”

Strategic Decision-making = Local Port Planning
Promotion of SEA in National Policy and Legislation

- No specific legislated SEA methodology
- National Environmental Management Act No 107 of 1998
- White Paper on Spatial Planning and Land Use Management
Promotion of SEA in National Policy and Legislation

- South African National Commercial Ports Policy

National Port Authority approves the SEA report =
Commitment to the Vision for Sustainable Port Development
Link to decision making processes

- Port planning process (revised 3 yrs)
- Port EMS (ISO14001) (annual revision)
- Corporate Social Investment (ongoing)
PHASE 2:

Sustainability Framework

• Integration

• Guidelines

• Strategic Issues

• Indicators

• Monitoring

FUTURE PORT DEVELOPMENT

Implemented through the following:

• Port Development Framework
• Environmental Management System
• Social Investment Programmes
• Stakeholder forums
• Sustainability Reporting
Stakeholder Engagement

- Identified key stakeholders
- Meetings and workshops
  - Identification of vision
  - Identification of strategic issues
- All documentation sent out for stakeholder review
- Information sheets
- www.csir.co.za/portofcapetownSEA
Strategic Issues

- Marine ecosystems
- Marine archaeology
- Shoreline stability
- Accessibility of the port
- Port-city land use planning
- Socio-economics/Corporate social investment
- Economic impact of port
Institutional Arrangements

The following forums were recommended to facilitate implementation:

- Port-City Forum
- Port-User Forum
- Port-Stakeholder Forum
Sustainability Framework (SEA Report)

- Vision for sustainable port development
- State of environment (strategic issues)
- Sustainability Objectives & Targets
- Indicators
Monitoring programmes

Guidelines for:
• Port Planner
• Port Environmental Manager
• Corporate Affairs Manager

Sustainability Reporting
Implementation through the following processes:

- Port planning process (revised 3 yrs)
- Port EMS (ISO14001) (annual revision)
- Corporate Social Investment (ongoing)
Implementation

Stakeholder engagement via:

- Port-City Forum (ongoing)
- Port-User Forum (ongoing)
- Port-Stakeholder Forum (ad hoc as needed)
PORT PLANNING AND MANAGEMENT PROCESS

Port Planning

Port EMS (ISO14001)

Corporate Social Investment

SEA PROCESS: SCOPING

REVIEW

Vision for Sustainable Port Development

Strategic Issues
Implementation Guidelines

- Baseline research
- Considerations for port planning
- Considerations for port operations and management
- Monitoring
- Stakeholder engagement
- Sustainability reporting
Learning Points

- Framework to promote sustainable port development
- Link to existing decision-making processes
- Defining a vision
- Supporting information systems
- Sustainability Reporting
Planning Process

Prioritize

Strategies
- Vision
- Objectives
- Localized guidelines
- Strategies

Programs

Integration

Approval

Promote Sustainability

Status report

Sustainable development principles

Acceptable range of change

Opportunities & constraints

Assessment criteria

Indicators

Program selection criteria

Transparency

Response to suggestions