Workshop on “Siting Locally Unwanted Facilities: Problems and Conflict Resolution”

Siting and Community Response to Locally Unwanted Land Uses: An Overview

不受歡迎設施選址的探討

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Research Monograph

Siting and Community Response to Locally Unwanted Land Uses: A Literature Review

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LULUs and NIMBY

• LULUs = Locally Unwanted Land Uses

• Objection by the local community => Not-In-My-Backyard (NIMBY)
Other related terms:

- NOOS (not on our street)
- NIABY (not in anybody backyard)
- NOPE (not on planet earth)
- NIMTOO (not in my term of office)
- BANANA (Build Absolutely Nothing Anywhere Near Anyone)
- CAVE (citizens against virtually everything)
A Conceptual Framework

Political/Institutional Setting

LULUs

Nature of LULU

Needs and Benefits
- Territorial
- Local
- Regional

Risks
- Perception
- Assessment
- Communication
- Management

Impacts
- Environmental
- Economic
- Social
- Health and Safety

Social-Economic Setting

Environmental Setting

Geographic Setting

Stakeholders
- Facility provider
- Government
- Public & Interest Groups

Community Response
- Oppose
- Acceptable Solution
- Welcome

Planning, Siting, Conflict Resolution

Trust
Public Participation
Equity

Multi-Stakeholders Process

Perception
Needs and Benefits

• Needs:
  – Establishing
  – Communication
  – Recognition

• Benefits
  – Scale
  – Distribution

• Established and justified in community perspective
Impacts

- Negative externalities
- Environmental
- Health and safety
- Social
- Economic
Impact Management

• Priority of consideration – avoidance, minimization & mitigation
• Alternatives/ options
Impacts

• Impact Assessment
  – Credibility
  – Communication
  – Predictions and monitoring
Risk

• Perception
• Assessment
• Management
• Communication
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Conflict Resolution: An Emerging Approach

• Understanding the perspectives of the objectors and the proponents
• Attempting to create a common understanding by merging the two separate horizons
Multi-stakeholders’ Process

- Based on
  - Trust
  - Participation
  - Equity

- Search for a common ground and acceptable solution
External Settings

• External to these three core components are:
  – Environmental setting: sensitivity
  – Political & Institutional setting: administrative style
  – Geographic setting: isolation, interaction
  – Socio-economic

• Imposing constraints

• Offering opportunities?
Taiwan Experiences in Siting Solid Waste Incinerators

• Year 1990: Incineration as the primary method of treatment and landfill as a supplement
# Peitou and Bali Refuse Incinerators

<table>
<thead>
<tr>
<th></th>
<th>Peitou Incinerator Plant</th>
<th>Bali Incinerator Plant</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Location</strong></td>
<td>Peitou, Taipei City</td>
<td>Bali, Taipei County</td>
</tr>
<tr>
<td><strong>Total Area (ha)</strong></td>
<td>10.61</td>
<td>3.5</td>
</tr>
<tr>
<td><strong>Capacity (tons/day)</strong></td>
<td>1800</td>
<td>1350</td>
</tr>
<tr>
<td><strong>Stack Height (m)</strong></td>
<td>150</td>
<td>150</td>
</tr>
<tr>
<td><strong>Construction Cost (Billion TD$)</strong></td>
<td>7.4</td>
<td>5.3</td>
</tr>
<tr>
<td><strong>Completion Date</strong></td>
<td>1998</td>
<td>2001</td>
</tr>
</tbody>
</table>
Common Forms of Compensation (or Feedback) for Siting Incinerators in Taiwan

• Compensation - before construction, during construction and/or during operation and include the following:
  – provision of community facilities (e.g., swimming pools, recreational sports centers)
  – beautification of the environment
  – exemption of garbage fee
  – funds for the elderly
  – scholarship for students
  – subsidy to community activities, etc.
Community Facilities Provided by Peitou Incinerator Plant

Revolving Restaurant

Observatory
Community Facilities Provided by Peitou Incinerator Plant

Sports Center

Warm Water Swimming Pool
Community Facilities Provided by Peitou Incinerator Plant

Kindergarten

Study Room
Display of Air Quality Data at the Plant Entrance – Peitou Plant
Community Facilities Provided by Bali Plant

Community Hall

Innovative Design
Special Displays in Bali
Incinerator Plant

Display of banner

Save Rare Orchid