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Asia & Near East Bureau SS & EA 101

Scoping Statements and Environmental Assessments

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Why do SSSs & EAs?

- **Regulation 216 requires**
- **Improves sustainability and usefulness of project**
- **Enhances civil society and good governance**

Governing Procedures

- **22 CFR 216.6 Environmental assessments**
- **22 CFR 216.7 Environmental impact statements**
- **22 CFR 216.8 Public hearings**
- **22 CFR 216.9 Bilateral and multilateral studies and concise reviews of environmental issues**
- **22 CFR 216.10 Records and reports**

USAID Environmental Procedures (22 CFR 216)



General Concepts

- **Positive determinations from IEEs/ETDs require scoping statements followed by environmental assessments, both well advertised and with stakeholder inputs**
- **Stakeholders include public, communities, local government and agencies, host-country government, concerned/impacted persons**
- **Outreach for input needs proper notice, language, dates, location – allow oral and written inputs**
- **Narrowly focused projects can have focused assessments**
- **Broadly focused projects can have programmatic assessments**
- **If project impacts international waters or several countries, prepare environmental impact statement**

Range of Assessments

- **Project alternatives**
- **Siting alternatives**
- **Benefits**
- **Impacts of siting**
- **Impacts of land development**
- **Impacts of construction**
- **Impacts of operation and maintenance or post-construction**

Assessment Types

- **Rapid environmental assessments (REA)**– for emergency or post-emergency
- **Environmental assessments (EA)** – from Reg. 216 ETD Positive Determinations
- **Programmatic EAs (PEA)** – EAs which cover several sites, projects, locations, activities
- **Focuses EAs (FEA)**– EAs narrowed in scope because of special conditions, such as reconstruction of existing facilities or alignments, construction on already urbanized or developed land
- **Environmental Impact Statements (EIS)**- EAs in international waters, cross-national boundaries, international impacts
 - *Should conform to Reg. 216, ADS, host-country requirements*

Assessments

- Checklist is not an EA but may be useful
- BEO-approved SS is required with stakeholder input as a ROD
- Discuss specific project, site conditions, potential impacts, potentially significant adverse environmental impacts, mitigation measures
- Rap-up table of impacts/mitigations
- Document stakeholder and agency involvement
- Can be one EA for one project at one site or for multiple activities at a single site or at multiple sites
- Mission-approved EA submitted to BEO for review/approval ROD
- *Mission implements compliance with the ROD, and monitoring and evaluation; may need to train contractors/partners*

Good Assessments

- Clear project descriptions, environmental baseline conditions, anticipated impacts, mitigation measures
- Site- and project- specific
- Stakeholder and local agency participation in its SS
- Respond to the approved SS
- Help project designs and decisions
- Sustainable development we are proud of
- Approvable by Mission and BEO

Scoping Makes a Difference

- Stakeholder inputs make a difference in project location/design
- Enhances civil society building, community participation, democracy, local ownership, gender equity

Beirut SWTP scoping meeting



Typical Scope/Format of Scoping Meeting

- **Introduction**
- **Project description and alternatives**
- **Benefits**
- **Siting alternatives, land development, construction, O&M or post-construction**
- **Stakeholder discussion and inputs to identify stakeholder concerns**
- **Document inputs, attendees, issues for consideration**

Aceh rebuild scoping meeting



Typical Scope/Format of Scoping Statement

- **Introduction**
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Typical Scope/Format of Environmental Assessment

- Introduction
- Project description and alternatives
- Benefits
- Siting alternatives, land development, construction, O&M or post-construction
- Baseline conditions – climate, weather, physical & natural resources, demographics, cultural & social
- Potential impacts and their significance
- Proposed mitigation measures for significant impacts
- Stakeholder discussion and inputs to identify stakeholder concerns
- Document inputs, attendees, issues for consideration

Examples of unfortunate missing helpful inputs

- **Bolivian cattle barns – access for dung collection**
- **Kings County, CA case – wrong notice**
- **Socorro, NM case – death of priest**

Examples of helpful scoping meeting inputs

- **Amazon Tropical Forest conversion to breadbasket agriculture, Pichis-Palcazu Valley, Peru – redesigned to sustainable forestry, mid-1980s**
- **Programmatic EA of Locust/Grasshopper Emergency Control Operations, Emergency Trans-boundary Outbreak Pests, Africa/Asia – permitted USAID intervention in sound control operations involving pesticides in 15+ countries, 1989-2006, involving >\$60 M**

Roof Garden – cuts energy bill



Roof Water & Graywater for reuse – cuts water/ww bills



Examples of helpful scoping meeting inputs

- **Cattle Program, Antigua, Caribbean – abandoned because of pesticides for tick control, mid-1990s**
- **Alexandria WWTP, Phase II, Egypt – land-based outfall because of non-consensus on sea-based, 1997**
- **Tanzania National Parks (TANAPA) roads PEA – environmental management plan mainstreamed by TANAPA, 2001, reinforced host-country procedures**
- **Kabul-Kandahar-Herat Road Rehabilitation, Afghanistan – STDs, 2003**
- **Southern Sudan Road Construction – paving and speed bumps for dust control, 2005, linked to development of host-country roads maintenance and EIA procedures**
- **Hebron WWTP, West Bank – moved several times, 2005**

Examples of helpful scoping meeting inputs

- Aceh-Meulaboh Road Reconstruction, Sumatra, Indonesia – road alignment, 2006
- Khribe Village WWTP, Mt. Lebanon, Lebanon – upgraded to tertiary, 2006
- Cairo Western Desert WWTP sludge ponds – moved due to proximity to military pilot landing area
- Hyderabad/India WWTP petrol tanks – moved due to proximity to university fire-fighting training site

USGBC LEED's Principles

- **Sustainable by design - green buildings – lower O&M, pleasant building**
- **Focus on energy, water & graywater, wastewater, heating & cooling, lighting, reuse/ recycled materials, rainwater harvesting & runoff management, reuse/ recycle water/ ww, landscaping, solid waste reuse/ recycling/ composting**
- **Solar heating, natural lighting, raised flooring - save 20-40% energy costs**
- **Rooftop gardens - save 25-40% cooling energy cost**
- **Rainwater harvesting, porous pavements -reduce runoff by 10-20%**

USGBC LEEDs initiatives

- USG mandated in US by presidential executive order & in several states by governors (ex. Calif.)
- Communication & planning are key
- Recommend proven technology
- Solicit existing users feedback
- Perform plan & specification reviews and audits – feedback loop
- Be involved in all phases
- Educate/promote architects, engineers, contractors, O&M staff

ANE SSs & EAs

- **Afghanistan, agri-markets, clinics, dams & intakes, dairy plant, econ facilities, housing, industrial parks, infrastructure rehabs, power plants, roads, schools**
- **Egypt, Pb cleanups, MRFs, secondary cities, tourism facilities, utilities**

ANE SSs & EAs

- **Indonesia, roads**
- **Iraq, agri-reconstruction, fiber networks, hospitals, power plants/distribution, rural water, schools, sewage collection, stormwater basins, SWMFs, WTPs, WWTPs**
- **Jordan, schools, WWTPs**

ANE SSs & EAs

- Lebanon, agri-coop center, composting plants, MRFs, olive oil residue TPs, SWMFs, WWTPs, bridge reconstruction
- Pakistan, schools
- Sri Lanka, bridge, fishery harbors
- West Bank/Gaza, agri-business partnership, aquifer management, roads, WTPs, WWTPs

ane-environment.net & dec.usaid.gov

SS & EA Approvals

- **Records of Environmental Decision (ROD)**
- **RODs approve Scoping Statements & Environmental Assessments**
- **May be Approved with Conditions**
- *May approve environmental compliance documents prepared by other agencies*

ane-environment.net & dec.usaid.gov

Information Sources

- *USGBC.org*
 - *Universities, agencies, ministries, Internet*
- World Bank Sourcebook extract**
- Agency, ANE, AFR guidelines**
- *usaid.gov/our_work/environment/compliance*
 - *ane-environment.net*
 - *encapafrika.org*
 - *dec.usaid.gov*

Actions generally having significant adverse impacts

- River basin development
- Irrigation or water management, plus dams and impoundments
- Agricultural land leveling
- Drainage projects
- Large-scale agricultural mechanization
- New lands development
- Resettlement projects
- Penetration road building or road improvement projects
- Powerplants
- Industrial plants
- Large-scale potable water and sewerage projects

On undeveloped or raw land, in protected forests, or numerous small-scale projects with adverse cumulative impacts

Organizations who prepare SS/EA

Ahmed Abdel Warith, Egypt

BAH

Black and Veatch

CADMUS

Catholic Near East Welfare Association, Lebanon

Chemonics

CDM

CH2M Hill

Community Housing Foundation, Lebanon

DAI

Danang Environmental Protection Center, RDM/A

Dr. Dewayne L. Knott/Kansas

Organizations who prepare SS/EA

East Meets West Foundation, RDM/A

ECODIT, Lebanon

EML, Sri Lanka

IRG

Lebanon Council for Development

LibanConsult, Lebanon

Louis Berger Group

Mercy Corps

Millennium Science & Engineering, Egypt

Technologies, Afghanistan

USACE

YMCA

Group SS & EA Exercises

Short project description with impacts & mitigations for comment

Short project description with impacts – ask for mitigations

Short projects – ask for impacts and mitigations

Propose short projects in several sectors with impacts & mitigations