

Group C

Implementation of EMMP

Mark Kunzer

Asian Development Bank



Reference Points

- Inappropriate EMP –too generic or unrealistic
- Non-compliance with EMP /low motivation to do so
- Insufficient budget for full monitoring
- Gaps in monitoring items
- Limited validity, accountability and use of monitoring results

Root Causes of Challenges

- Quality of EMMP, Unclear prescriptions, inappropriate monitoring items and lack of specific planning
- No control over the contractor, regulatory agencies give approvals to the project owner, not the contractor
- Approvals occurring early in the project cycle
- Limited manpower to conduct inspections
- Budget issues

Good Practices

Optimizing monitoring efforts in Viet Nam for Thac Mo HPP

- Reduce the number of monitoring items to fit within budget constraint by:
 - ✓ Prioritizing monitoring items with which significant impacts are predicted in EIA
 - ✓ Identifying surrogate indicator of multiple environmental variables

Good Practices

Standard Environmental and Social Obligation (SESO) in Lao PDR

- Supplement EIA Instructions and ECC
- Clarify responsibilities, funding arrangement and institutional setting in implementing EMMP
- Clarify and strengthen penalties on non-compliance
- Prescribes specific technical plans, e.g. watershed management plan and biodiversity offset plan
- Reporting requirement –monthly, quarterly and annual

Good Practices

Inspection and Monitoring

- US EPA & HK self reporting approaches using technology with stringent penalties
- HK tiered approach to reviewing monitoring data

Recommendations

- Approvals, licenses and permits
 - Require project owner to include provisions for environmental management in tender and contract documents
 - Include penalties
 - Identify roles and responsibilities
-
- Monitoring and Inspection
 - Self regulating and utilizing on-line technologies



Thank You!