



ETESP Briefing on Environmental Monitoring and Reporting

Sample Inspection Form and Quarterly Progress Report Outline

30/11/2006

A. INTRODUCTION

1. ETESP is transitioning from Sector Subproject planning and approvals to Subproject implementation. It is critical to note that the ETESP environmental safeguards process **does not end with the approval of Subproject IEEs**. During implementation there are several key environment related activities that require ongoing attention and action in order to operationalize the environmental strategies presented in the IEEs. For example, the environmental mitigation measures presented in the relevant Subproject IEEs and in the ETESP Standard Environmental Clauses (for construction contracts implemented by contractors) should be appropriately implemented as part of the overall Subproject implementation. In addition, environmental monitoring and reporting also needs to be undertaken to ensure that mitigations are being implemented effectively. This is a requirement of ADB as well BAPEDALDA NAD and BAPEDALDA SUMUT.

B. SUBPROJECT ENVIRONMENTAL INSPECTIONS AND MONITORING

2. The environmental monitoring plan presented in the relevant Subproject IEEs should be implemented. This will typically consist of regular environmental compliance inspections to ensure that mitigations are being applied effectively and that significant environmental impacts are not occurring. Inspections may also involve or be supported by ambient monitoring. The IEEs define who is responsible for undertaking the inspections and/or monitoring. It varies from sector to sector, but typically the monitoring plans in the IEEs call for monthly compliance inspections. Annex 1 presents a template inspection form that can be adapted for use by each sector.

3. It is critical that appropriate action be taken to address any serious environmental problems identified in the inspections. If a problem is observed requiring action a copy of the Inspection Report detailing the required actions should be given to the contractor, and copies should be sent immediately to the relevant Satker, ADB EMS, the relevant district BAPEDALDA, and BAPEDALDA NAD or SUMUT (as relevant). The EMS Environmental Safeguards Advisors should also be immediately notified if serious environmental problems are identified.

4. The inspector should follow up within a reasonable time period (e.g. one week) to certify that the action has been taken. If the action(s) have been implemented satisfactorily, the follow-up portion of Section 5 should be completed. If action has not been taken satisfactorily the Satker, EMS Environmental Safeguards Advisors and the relevant BAPEDALDA should be immediately informed, and a decision will be made as to what further action is required.

C. ENVIRONMENTAL REPORTING

5. The results of the environmental monitoring needs to be reported on a regular basis to key stakeholders.

SUBPROJECT INSPECTION REPORTS

6. The inspection reports should be submitted to the relevant Satker, ADB EMS, the relevant district BAPEDALDA, and BAPEDALDA NAD or SUMUT (as relevant) as part of the quarterly sector reporting process (see below). However, as noted above, if a problem is observed requiring action a copy of the Environmental Inspection Report detailing the required actions should be given to the contractor, and copies should be sent immediately to the relevant Satker, ADB EMS, the relevant district BAPEDALDA, and BAPEDALDA NAD or SUMUT.

QUARTERLY SECTOR PROGRESS REPORTS

7. The progress of each sector in terms of overall environmental safeguard compliance should also be reported on, preferably as part of the overall sector progress reporting which is typically done on a quarterly basis¹. A sample sector environmental progress and monitoring report is attached, which can be adapted for use by each sector. The subproject Environmental Inspection Reports should be included. The reports should be concise as possible, and presented as part of, or as an annex to, the main sector quarterly progress report.

8. ETESP Satkers, Team Leaders and EMS Sector Advisors are requested to give the above issues sufficient priority during ETESP construction implementation. For further information please contact:

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Attachments

1. ETESP Subproject Environmental Compliance Inspection and Monitoring Form
2. ETESP Sector Quarterly Environmental Progress and Monitoring Report Suggested Outline

¹ BAPEDALDA IEE approvals typically require quarterly reporting.



ETESP Sub-Project Environmental Compliance Inspection and Monitoring Form
Isian Pemeriksaan Ketaatan dan Pemantauan Lingkungan Sub-Proyek ETESP

Sector : _____
Sektor
Sub-Project : _____
Sub-Proyek
Location : _____
Lokasi
Date : _____
Tanggal
Reporting Period : _____
Periode Pelaporan

Implementing Agency : _____
Instansi Pelaksana
Monitoring Agency : _____
Instansi Pemantau
Enforcing Agency : BAPEDALDA NAD / BAPEDALDA SUMUT
Inatansi yang Berwenang
Contractor(s) : _____
Kontraktor
Implementation Phase: Preconstruction / Construction / Operation
Persiapan / Konstruksi / Operasi

1. Contractor(s) / Kontraktor

Contractor(s) Environmental Awareness <i>Kepedulian Kontraktor Terhadap Lingkungan</i>	Yes / No <i>Ya / Tidak</i>	Actions Required <i>Tindakan Yang Diperlukan</i>	Contractor Response / Comment <i>Tanggapan Kontraktor / Komentar</i>
Contractor(s) aware of mitigation requirements? <i>Kontraktor peduli terhadap syarat-syarat pencegahan</i>			
Contractor(s) have a copy of IEE EMP? <i>Kontraktor mempunyai salinan (copy) dari IEE EMP</i>			

2. Mitigation Compliance Inspection / Pemeriksaan Ketaatan Pencegahan

Impact / Mitigation Measure <i>Ukuran Dampak /Pencegahan</i>	Mitigations Implemented (Yes, No) <i>Pencegahan Yang Diterapkan (Ya, Tidak)</i>	Mitigations Effective? (1 to 5)* <i>Tingkat Keberhasilan Pencegahan (1-5)*</i>	Impact Observed / Location <i>Dampak yang terdeteksi / Lokasi</i>	Action Required <i>Tindakan Yang Diperlukan</i>	Contractor Response / Comment <i>Tanggapan Kontraktor / Komentar</i>	Endorsed by: <i>Disetujui oleh</i>	
						<i>Implementing Agency</i> <i>Instansi Pelaksana</i>	<i>Monitoring Agency</i> <i>Instansi Pemantau</i>
e.g. Dust Control (Column to be based on subproject IEEs) <i>(Sesuai dengan yang di IEE). Contoh : Debu</i>							

* Mitigation Effectiveness Rating Criteria / *Kriteria Tingkat Keberhasilan Pencegahan*

- | | |
|--|---|
| 1. Very Good (all required mitigations implemented)
<i>Sangat Baik (semua syarat pencegahan di laksanakan) 100%</i> | 4. Poor (few mitigations implemented)
<i>Jelek (sebagian kecil syarat pencegahan di laksanakan) 30 – 49%</i> |
| 2. Good (the majority of required mitigations implemented)
<i>Baik (sebagian besar syarat pencegahan di laksanakan) 75 – 99%</i> | 5. Very Poor (Very few mitigations implemented)
<i>Sangat Jelek (sedikit atau tidak ada syarat pencegahan di laksanakan) <30%</i> |
| 3. Fair (some mitigations implemented) | |

Additional explanatory comments should be provided as necessary / *Tambahan Komentar sesuai keperluan*

3. Ambient Monitoring (if relevant) / Pemantauan Ambient (jika relevan)

Parameter <i>Parameter</i>	Date / Location <i>Tanggal / Lokasi</i>	Measured by <i>Diukur Oleh</i>	Monitoring Equipment <i>Alat Yang Dipakai</i>	Result <i>Hasil</i>	Standard <i>Baku Mutu</i>	% Exceedance <i>% Kelebihan</i>	Action Required <i>Tindakan yang Diperlukan</i>	Contractor Responses / Comments <i>Tanggapan / Komentar</i>	Endorsed by: <i>Disetujui oleh</i>	
									Implementing Agency <i>Instansi Pelaksana</i>	Monitoring Agency <i>Instansi Pemantau</i>
Water <i>Air</i>										
Air <i>Udara</i>										
Soil <i>Tanah</i>										

4. Environmental Incidents During Reporting Period (if relevant) / Kecelakaan di Bidang Lingkungan Selama Periode Pelaporan

Environmental Incidents (accidents, spills, complaint) <i>Jenis Kecelakaan (Kecelakaan, Kebocoran, Pengaduan / Keberatan)</i>	Date / <i>Tanggal</i>	Reported by <i>Dilaporkan Oleh</i>	Description / Location <i>Uraian / Lokasi</i>	Action Taken <i>Tindakan Yang Dilakukan</i>	Further Action Required <i>Tindakan Lebih Lanjut Yang Diperlukan</i>	Endorsed by: <i>Disetujui oleh</i>	
						Implementing Agency <i>Instansi Pelaksana</i>	Monitoring Agency <i>Intansi Pemantau</i>

5. Summary of Actions Required and Follow-up (if relevant) / Ringkasan Tindakan Yang Diperlukan dan Tindak Lanjut

Action Required <i>Tindakan Yang Diperlukan</i>	Timeframe (e.g. within one week) <i>Periode Waktu (misalnya dalam seminggu)</i>	Responsible Parties <i>Pihak Yang Bertanggung Jawab</i>	Follow-up (to be completed if actions are taken) <i>Tindak Lanjut (dilengkapi bila telah ada tindakan)</i>
			Required Action Taken: <i>Tindakan yang Diperlukan:</i>
			Effectiveness: <i>Keberhasilan:</i>
			Further Action Required?: <i>Perlu Tindakan Lanjutan?:</i>
			Prepared by: <i>Dibuat Oleh:</i>
			Date: <i>Tanggal:</i>

Inspection Completed by: _____
Pemeriksaan Oleh:

Date: _____
Tanggal:

Signature:
Tanda Tangan

Add Attachments as appropriate (e.g. list of inspection participation, map(s) showing sites, picture)
Tambahan Lampiran Yang Diperlukan (daftar peserta pemeriksaan, peta, gambar)

ETESP Sector Quarterly Environmental Progress and Monitoring Report Suggested Outline

What is it: A brief report on the sector's progress on environmental safeguards. The report will be an annex of the Sector Quarterly Progress Report.

Submitted to: ADB EMS, BAPEDALDA (NAD or SUMUT), relevant Kabupaten BAPEDALDAs

How Often: Quarterly

Suggested Outline:

1. Introduction
 - 1.1. Report Purpose
 - 1.2. Sector Implementation Progress Status and Subprojects Covered by Report
 - 1.3. Key Environmental Management Stakeholders
2. IEE Preparation Status
 - 2.1. IEEs Completed
 - 2.2. IEEs in Pipeline
 - 2.3. Challenges and Actions to be Taken
3. Incorporation of Environmental Requirements into Subproject Contractual Arrangements
4. Summary of Environmental Works Implemented
 - 4.1. Air Quality
 - 4.2. Water Quality
 - 4.3. Noise Quality
 - 4.4. Solid Waste
 - 4.5. Flora and Fauna
 - 4.6. Health and Sanitation
 - 4.7. Cultural and Heritage Sites
 - 4.8. Training
 - 4.9. Other
5. Summary of Environmental Monitoring
 - 5.1. Mitigation Compliance Inspection Program
 - 5.1.1. Summary of Inspection Activities
 - 5.1.2. Assessment of Mitigation Compliance and Effectiveness¹
 - 5.2. Ambient Monitoring Program (if relevant)
 - 5.2.1. Summary of Monitoring

¹ Overall compliance with mitigation implementation requirements will be evaluated based on the following ranking system:

1. Very Good (all required mitigations implemented)
2. Good (the majority of required mitigations implemented)
3. Fair (some mitigations implemented)
4. Poor (few mitigations implemented)
5. Very Poor (very few or no mitigations implemented)

Additional explanatory comments should be provided as necessary.

Effectiveness of mitigation implementation will be evaluated based on the following ranking system:

1. Very Good (mitigations are fully effective)
2. Good (mitigations are generally effective)
3. Fair (mitigations are partially effective)
4. Poor (mitigations are generally ineffective)
5. Very Poor (mitigations are completely ineffective)

Additional explanatory comments should be provided as necessary.

- 5.2.2. Results
 - 5.2.2.1. Air Quality
 - 5.2.2.2. Water Quality
 - 5.2.2.3. Noise Quality
- 5.2.3. Overall Assessment²

6. Key Environmental Issues

- 6.1.1. Key Issues Identified
- 6.1.2. Action Taken
- 6.1.3. Additional Action Required

7. Conclusion

- 7.1. Overall Progress of Implementation of Environmental Management Measures³
- 7.2. Problems Identified and Actions Recommended

Appendices

- 1. Monthly Inspection Reports
- 2. Ambient Monitoring Results
- 3. Others

² Overall ambient environment conditions (or discharge levels) will be compared to the baseline and evaluated based on the following ranking system:

- 1. Very Good (overall conditions are generally improved)
- 2. Good (conditions are maintained or slightly improved)
- 3. Fair (conditions are unchanged)
- 4. Poor (conditions are moderately degraded)
- 5. Very Poor (conditions are significantly degraded)

Additional explanatory comments should be provided as necessary.

³ Overall sector environmental management t progress may be evaluated based on the following ranking system:

- 1. Very Good
- 2. Good
- 3. Fair
- 4. Poor
- 5. Very Poor

Additional explanatory comments should be provided as necessary.