

# Scientific and Technical Advisory Panel

The Scientific and Technical Advisory Panel, administered by UNEP, advises the Global Environment Facility  
(Version 5)

## STAP Scientific and Technical screening of the Project Identification Form (PIF)

Date of screening: February 25, 2011

Screener: Lev Neretin

Panel member validation by: Hindrik Bouwman  
Consultant(s):

### I. PIF Information *(Copied from the PIF)*

**FULL SIZE PROJECT**    **GEF TRUST FUND**

**GEF PROJECT ID:** 4441

**PROJECT DURATION :**

**COUNTRIES :** China

**PROJECT TITLE:** Minimizing Formation and Releases of Unintentionally Produced POPs (UPOPs) from China's Pulp and Paper Sector

**GEF AGENCIES:** World Bank

**OTHER EXECUTING PARTNERS:**

**GEF FOCAL AREA:** POPs

### II. STAP Advisory Response *(see table below for explanation)*

Based on this PIF screening, STAP's advisory response to the GEF Secretariat and GEF Agency(ies): **Consent**

### III. Further guidance from STAP

1. STAP reviewed the WB project aimed at minimization of UPOPs releases in pulp and paper sectors in China with an emphasis on the adoption of BAT/BEP practices for non-wood pulp production. STAP expresses its consent to the project, but would like to see the following issues to be addressed before the CEO endorsement:
2. BAT/BEP measures are the most effective in combination of the following elements: training and education, process control optimization, sufficient maintenance of infrastructure, and introduction of environmental management systems. PIF describes well only the first set of measures and does not provide sufficient information on other components of successful BAT/BEP implementation.
3. Pulp and paper industry is a complex industry using different products and processes. Application of BAT/BEP depends on the process/material sources. STAP recommends conducting an assessment of existing processes, types of mills and etc. and develop a systematic approach for BAT/BEP application tired to specific sub-sectors in China (e.g., European Commission (2001): Reference Document on Best Available Techniques in Pulp and Paper Industry).
4. BAT/BEP are developed taking into account reduction of multiple environmental threats such as emissions to water, air, and energy consumption. STAP's Advisory Document on benefits and trade-offs between energy conservation and releases of UPOPs (<http://www.unep.org/stap/LinkClick.aspx?fileticket=vh-GiDCGtmM%3d&tabid=2912&language=en-US>) assessed that conversion to elemental chlorine free or totally chlorine-free processes in pulp and paper industry is associated with some small energy penalty. Project investments to BAT/BEP should try to maximize multiple benefits of more efficient processes and together with UPOPs release reduction, also consider reductions in energy consumption and emissions of other pollutants to air and water. The choice of selected BAT/BEP measures for investment maximizing environmental benefits of UPOPs reduction has to be justified in the full project document.
5. STAP recommends the project should also engage the Stockholm Convention in their ongoing efforts to improve emission factors for the UPOPs Toolkit.

---

STAP advisory response explanation

1. Consent.

STAP acknowledges that on scientific/technical grounds the concept has merit. However, STAP may state its views on the concept emphasising any issues that could be improved and the proponent is invited to approach STAP for advice at any time during the development of the project brief prior to submission for CEO endorsement.

2. Minor revision required.

STAP has identified specific scientific/technical suggestions or opportunities that should be discussed with the proponent as early as possible during development of the project brief. One or more options that remain open to STAP include:

- (i) Opening a dialogue between STAP and the proponent to clarify issues
- (ii) Setting a review point during early stage project development and agreeing terms of reference for an independent expert to be appointed to conduct this review. The proponent should provide a report of the action agreed and taken, at the time of submission of the full project brief for CEO endorsement.

3. Major revision required.

STAP proposes significant improvements or has concerns on the grounds of specified major scientific/technical omissions in the concept. If STAP provides this advisory response, a full explanation would also be provided. Normally, a STAP approved review will be mandatory prior to submission of the project brief for CEO endorsement. The proponent should provide a report of the action agreed and taken, at the time of submission of the full project brief for CEO endorsement.

<i>STAP advisory response</i>	<i>Brief explanation of advisory response and action proposed</i>
<b>1. Consent</b>	STAP acknowledges that on scientific/technical grounds the concept has merit. However, STAP may state its views on the concept emphasising any issues that could be improved and the proponent is invited to approach STAP for advice at any time during the development of the project brief prior to submission for CEO endorsement.
<b>2. Minor revision required.</b>	STAP has identified specific scientific/technical suggestions or opportunities that should be discussed with the proponent as early as possible during development of the project brief. One or more options that remain open to STAP include: (i) Opening a dialogue between STAP and the proponent to clarify issues (ii) Setting a review point during early stage project development and agreeing terms of reference for an independent expert to be appointed to conduct this review The proponent should provide a report of the action agreed and taken, at the time of submission of the full project brief for CEO endorsement.
<b>3. Major revision required</b>	STAP proposes significant improvements or has concerns on the grounds of specified major scientific/technical omissions in the concept. If STAP provides this advisory response, a full explanation would also be provided. Normally, a STAP approved review will be mandatory prior to submission of the project brief for CEO endorsement. The proponent should provide a report of the action agreed and taken, at the time of submission of the full project brief for CEO endorsement.