Implementation Status & Results

Tunisia
TN-Ozone Depleting Substance (P005591)

<table>
<thead>
<tr>
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</tr>
</thead>
<tbody>
<tr>
<td>Country:</td>
<td>Tunisia</td>
<td></td>
<td></td>
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<td></td>
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<td></td>
</tr>
<tr>
<td>Product Line:</td>
<td>Montreal Protocol</td>
<td></td>
<td></td>
<td></td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Region:</td>
<td>MIDDLE EAST AND NORTH AFRICA</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lending Instrument:</td>
<td>Specific Investment Loan</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Implementing Agency(ies):</td>
<td>Agence Nationale pour la protection de l'Environnement</td>
<td></td>
<td></td>
<td></td>
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</tr>
</tbody>
</table>

Key Dates

<table>
<thead>
<tr>
<th>Board Approval Date</th>
<th>14-Jun-1994</th>
<th>Original Closing Date</th>
<th>31-Dec-2000</th>
<th>Planned Mid Term Review Date</th>
<th></th>
<th>Last Archived ISR Date</th>
<th>28-Aug-2011</th>
</tr>
</thead>
<tbody>
<tr>
<td>Effectiveness Date</td>
<td>14-Jun-1994</td>
<td>Revised Closing Date</td>
<td>30-Jun-2012</td>
<td>Actual Mid Term Review Date</td>
<td></td>
<td></td>
<td></td>
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</tbody>
</table>

Global Environmental Objectives

Global Environmental Objective (from Project Appraisal Document)

As per the TF Grant Agreement of June 1994, the project's objectives are "to assist the Recipient in implementing a strategy aimed to establish the institutional and regulatory framework for decreasing the use of ODS and introduce, on a demonstrational basis, ODS-free technologies to the country's refrigeration, foam and aerosol industries so as to initiate actions leading to an early ODS-phaseout program". The project consists of two main elements: Technology Development and Institutional Strengthening. The technology development component consists of 5 components in three ODS-using sectors focusing on demonstration projects, technical assistance and training: (a) Refrigeration: (i) the introduction of HFC-134a as a substitute for CFC-12 as a refrigerant in the manufacturing of refrigerators; (ii) the replacement of CFC-11 as a foam-blowing agent for refrigerator insulation; (iii) the introduction of a CFC-recycling and refrigeration maintenance program through training. (b) Flexible Foam: Replacement of CFC-11 with a non-ODS substitute. (c) Aerosol: A sectoral study to determine assistance needs and training. The initial project costs were US$ 2.32m, of which US$ 1.79m would be financed through the grant. Subsequently, the Multilateral Fund (MF) of the MP authorized new sub-projects bringing the total project costs to US$ 4.2m, of which US$ 3.79m would be financed through the grant. It is expected that further sub-projects will be approved by the MF.

Has the Project Development Objective been changed since Board Approval of the Project?

☐ Yes  ☐ No
### Component(s)

<table>
<thead>
<tr>
<th>Component Name</th>
<th>Component Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>REFRIGERATION CONVERSION TO 134A &amp; 141B</td>
<td>0.55</td>
</tr>
<tr>
<td>TRAINING REFRIGERATION TECHNICIANS</td>
<td>0.55</td>
</tr>
<tr>
<td>FLEXIBLE FOAM</td>
<td>0.38</td>
</tr>
<tr>
<td>AEROSOLS</td>
<td>0.37</td>
</tr>
<tr>
<td>INSTITUTIONAL STRENGTHENING</td>
<td>0.42</td>
</tr>
<tr>
<td>FOAM PROJECT SOTIM</td>
<td>0.55</td>
</tr>
<tr>
<td>FOAM PROJECT SUPERMOUSSE</td>
<td>0.53</td>
</tr>
<tr>
<td>INSTITUTIONAL STRENGTHENING (2)</td>
<td>0.00</td>
</tr>
<tr>
<td>FOAM PROJECTS (5 NEW )</td>
<td>0.44</td>
</tr>
<tr>
<td>National ODS Phase-Out Plan</td>
<td>1.13</td>
</tr>
</tbody>
</table>

### Overall Ratings

<table>
<thead>
<tr>
<th></th>
<th>Previous Rating</th>
<th>Current Rating</th>
</tr>
</thead>
<tbody>
<tr>
<td>Progress towards achievement of GEO</td>
<td>Moderately Satisfactory</td>
<td>Satisfactory</td>
</tr>
<tr>
<td>Overall Implementation Progress (IP)</td>
<td>Moderately Unsatisfactory</td>
<td>Moderately Unsatisfactory</td>
</tr>
<tr>
<td>Overall Risk Rating</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Implementation Status Overview

The grant agreement has been extended till June 30, 2012 in order to permit remaining activities to be completed, including procurement of equipment for the servicing sector aimed at sustainable ODS phase-out. The work plan was revised accordingly.

### Locations

No Location data has been entered

### Results

#### Global Environmental Objective Indicators

<table>
<thead>
<tr>
<th>Indicator Name</th>
<th>Core</th>
<th>Unit of Measure</th>
<th>Baseline</th>
<th>Current</th>
<th>End Target</th>
</tr>
</thead>
<tbody>
<tr>
<td>Elimination of national ozone depleting potential (ODP) by 2010</td>
<td>☐</td>
<td>Metric ton</td>
<td>Value</td>
<td>Value</td>
<td>Value</td>
</tr>
<tr>
<td>Comments</td>
<td>Volume to be eliminated</td>
<td>The entire volume of 985.7 tons of ODS and more has already been eliminated.</td>
<td>Original target exceeded.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Develop an institutional framework within ANPE to regulate the elimination of ODS in Tunisia.


Dec 30, 2011

Fully functioning Bureau d’Ozone within ANPE fully financed by the Government of Tunisia. Legal and regulatory system updated and in conformity with MP.

Jun 30, 2012

Intermediate Results Indicators

<table>
<thead>
<tr>
<th>Indicator Name</th>
<th>Core</th>
<th>Unit of Measure</th>
<th>Baseline</th>
<th>Current</th>
<th>End Target</th>
</tr>
</thead>
<tbody>
<tr>
<td>Replacement of CFC 11 and CFC 12 by HFC 134a.</td>
<td>Text</td>
<td></td>
<td>870.1 tons of CFC to be eliminated.</td>
<td>31-Jan-2012</td>
<td>31-Dec-2009</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Date</td>
<td>14-Jun-1994</td>
<td>31-Dec-2009</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Comments</td>
<td>Original target exceeded.</td>
<td>Total CFC eliminated is 1025.4 as of latest reported data (as of end 2010).</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Original target (amended several times with new subproject components)</td>
<td>Additional phaseout achieved in CFCs, halon with the newest subproject component (NOPP)</td>
<td></td>
</tr>
</tbody>
</table>

Data on Financial Performance (as of 15-Feb-2012)

Financial Agreement(s) Key Dates

<table>
<thead>
<tr>
<th>Project</th>
<th>Loan No.</th>
<th>Status</th>
<th>Approval Date</th>
<th>Signing Date</th>
<th>Effectiveness Date</th>
<th>Closing Date</th>
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</table>

Disbursements (in Millions)

<table>
<thead>
<tr>
<th>Project</th>
<th>Loan No.</th>
<th>Status</th>
<th>Currency</th>
<th>Original</th>
<th>Revised</th>
<th>Cancelled</th>
<th>Disbursed</th>
<th>Undisbursed</th>
<th>% Disbursed</th>
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<tbody>
<tr>
<td>P005591</td>
<td>TF-21936</td>
<td>Effective</td>
<td>USD</td>
<td>5.12</td>
<td>5.12</td>
<td>0.00</td>
<td>4.31</td>
<td>0.80</td>
<td>84.00</td>
</tr>
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</table>

Disbursement Graph
Key Decisions Regarding Implementation

None

Restructuring History

There has been no restructuring to date.

Related Projects

There are no related projects.