Hospital Waste Management Support Project (P119090)


Implementing Agencies: MINISTRY OF HEALTH, SOCIALIST REPUBLIC OF VIETNAM

Key Dates

**Key Project Dates**

- Bank Approval Date: 29-Mar-2011
- Effectiveness Date: 29-Aug-2011
- Planned Mid Term Review Date: 31-Aug-2014
- Actual Mid-Term Review Date: 18-Aug-2014
- Original Closing Date: 31-Aug-2017
- Revised Closing Date: 30-Aug-2019

Project Development Objectives

Project Development Objective (from Project Appraisal Document)

The project development objective is to reduce environmental degradation and potential risks for human health through the improved management of health care waste in Vietnam's hospitals.

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

No

Components

<table>
<thead>
<tr>
<th>Name</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Component 1: Policy and Institutional Environment Strengthening</td>
<td>$9.00 M</td>
</tr>
<tr>
<td>Component 2: Hospital Waste Management Improvement Facility</td>
<td>$134.00 M</td>
</tr>
<tr>
<td>Component 3: Project Implementation Support and Coordination</td>
<td>$7.00 M</td>
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Overall Ratings

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

Implementation Status and Key Decisions
The project is making progress towards the achievement of its Project Development Objective. The results from completed subprojects still show rather modest contributions of the project to the improvement of hospital wastewater and solid waste, by 9% and 4%, respectively, nationwide. The project has completed all the training activities for four targeted groups including (i) leaders of health, managers/officials of Provincial Departments of Environment, Environment Polices, etc.; (ii) staff in charge in provincial Departments of Health, health care and preventive medicine facilities; (iii) technical staff in environment monitoring agencies; and (iv) operators of health care waste treatment systems.

The project closing date has been extended by two years, to August 30, 2019.

As with other ODA projects, this project has been faced with a lack of budget allocation due to the new regulations adopted by the Government in early 2017. Therefore, the disbursed amount was much lower than expected. The World Bank office in Vietnam is working with the Government to solve this macro fiscal constraint problem.
## Systematic Operations Risk-rating Tool

<table>
<thead>
<tr>
<th>Risk Category</th>
<th>Rating at Approval</th>
<th>Previous Rating</th>
<th>Current Rating</th>
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</thead>
<tbody>
<tr>
<td>Political and Governance</td>
<td>--</td>
<td>Low</td>
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</tr>
<tr>
<td>Macroeconomic</td>
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</table>
**Sector Strategies and Policies**
- Substantial

**Technical Design of Project or Program**
- Substantial

**Institutional Capacity for Implementation and Sustainability**
- Moderate

**Fiduciary**
- Moderate

**Environment and Social**
- Substantial

**Stakeholders**
- Moderate

**Other**
- --

**Overall**
- Substantial

### Results

#### Project Development Objective Indicators

<table>
<thead>
<tr>
<th>Indicator</th>
<th>Baseline</th>
<th>Actual (Previous)</th>
<th>Actual (Current)</th>
<th>End Target</th>
</tr>
</thead>
<tbody>
<tr>
<td>Increased share of hospitals' wastewater meeting the environmental standards (Percentage, Custom)</td>
<td>Value</td>
<td>Actual (Previous)</td>
<td>Actual (Current)</td>
<td>End Target</td>
</tr>
<tr>
<td>Value</td>
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<td>4.94</td>
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<td>31-Dec-2016</td>
<td>31-Jul-2017</td>
<td>30-Aug-2019</td>
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<th>Actual (Current)</th>
<th>End Target</th>
</tr>
</thead>
<tbody>
<tr>
<td>Increased share of properly segregated and treated infectious health care waste (Percentage, Custom)</td>
<td>Value</td>
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<td>End Target</td>
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<td>31-Dec-2016</td>
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<td>30-Aug-2019</td>
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<th>Actual (Current)</th>
<th>End Target</th>
</tr>
</thead>
<tbody>
<tr>
<td>Increased number of health care staff following correct occupational safety practices, including usage of personal protective equipment (Percentage, Custom)</td>
<td>Value</td>
<td>Actual (Previous)</td>
<td>Actual (Current)</td>
<td>End Target</td>
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<tr>
<td>Value</td>
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<td>90.00</td>
<td>90.00</td>
<td>90.00</td>
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<td>31-Dec-2016</td>
<td>31-Jul-2017</td>
<td>30-Aug-2019</td>
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</tbody>
</table>
### Improved perception among communities adjacent to project hospitals about health waste being properly managed (Percentage, Custom)

<table>
<thead>
<tr>
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<th>Baseline</th>
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<th>Actual (Current)</th>
<th>End Target</th>
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<tr>
<td>Value</td>
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<td>100.00</td>
<td>100.00</td>
<td>90.00</td>
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<td>31-Dec-2016</td>
<td>31-Jul-2017</td>
<td>30-Aug-2019</td>
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</table>

### Intermediate Results Indicators

#### Effective CPMU and TAG support to Component 2 beneficiaries (Percentage, Custom)

<table>
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<tbody>
<tr>
<td>Value</td>
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<td>89.60</td>
<td>89.60</td>
<td>80.00</td>
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<td>29-Aug-2011</td>
<td>31-Dec-2016</td>
<td>31-Dec-2016</td>
<td>30-Aug-2019</td>
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</tbody>
</table>

Comments

This indicator will be updated in the next mission. The frequency for the survey is once a year.

#### Number of hospital grants approved (Number, Custom)

<table>
<thead>
<tr>
<th></th>
<th>Baseline</th>
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<th>Actual (Current)</th>
<th>End Target</th>
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<tr>
<td>Value</td>
<td>0.00</td>
<td>203.00</td>
<td>205.00</td>
<td>198.00</td>
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<tr>
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<td>29-Aug-2011</td>
<td>31-Dec-2016</td>
<td>31-Jul-2017</td>
<td>30-Aug-2019</td>
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</table>
### Number of Health Care Waste Management Plans approved by regulatory authority (Number, Custom)

<table>
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<tr>
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<th>End Target</th>
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<tr>
<td>Value</td>
<td>0.00</td>
<td>70.00</td>
<td>70.00</td>
<td>68.00</td>
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<td>31-Dec-2016</td>
<td>31-Jul-2017</td>
<td>30-Aug-2019</td>
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</table>

### Improved knowledge and skills of key health personnel in health care waste management standards and practices (Number, Custom)

<table>
<thead>
<tr>
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<th>Baseline</th>
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<th>Actual (Current)</th>
<th>End Target</th>
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<tbody>
<tr>
<td>Value</td>
<td>0.00</td>
<td>5,120.00</td>
<td>6,619.00</td>
<td>6,677.00</td>
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<tr>
<td>Date</td>
<td>29-Aug-2011</td>
<td>31-Dec-2016</td>
<td>31-Jul-2017</td>
<td>30-Aug-2019</td>
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</table>

### Number of trainers trained passing the final test (Number, Custom Breakdown)

<table>
<thead>
<tr>
<th></th>
<th>Baseline</th>
<th>Actual (Previous)</th>
<th>Actual (Current)</th>
<th>End Target</th>
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</thead>
<tbody>
<tr>
<td>Value</td>
<td>0.00</td>
<td>310.00</td>
<td>310.00</td>
<td>290.00</td>
</tr>
<tr>
<td>Date</td>
<td>29-Aug-2011</td>
<td>31-Dec-2016</td>
<td>31-Jul-2017</td>
<td>30-Aug-2019</td>
</tr>
</tbody>
</table>

### Number of leaders of health, DONRE, Environment Police, other agencies trained and passed the final test (Number, Custom Breakdown)

<table>
<thead>
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<th>Baseline</th>
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<th>Actual (Current)</th>
<th>End Target</th>
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</thead>
<tbody>
<tr>
<td>Value</td>
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<td>1,619.00</td>
<td>2,118.00</td>
<td>2,545.00</td>
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<tr>
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<td>29-Aug-2011</td>
<td>31-Dec-2016</td>
<td>31-Jul-2017</td>
<td>30-Aug-2019</td>
</tr>
<tr>
<td>Number of HCWM administrators in DOH, health care facilities, preventive health centers trained and passed the final test (Number, Custom Breakdown)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>---</td>
<td>---</td>
<td>---</td>
<td>---</td>
<td></td>
</tr>
<tr>
<td><strong>Baseline</strong></td>
<td><strong>Actual (Previous)</strong></td>
<td><strong>Actual (Current)</strong></td>
<td><strong>End Target</strong></td>
<td></td>
</tr>
<tr>
<td>Value</td>
<td>0.00</td>
<td>1,759.00</td>
<td>2,657.00</td>
<td>2,332.00</td>
</tr>
<tr>
<td>Date</td>
<td>29-Aug-2011</td>
<td>31-Dec-2016</td>
<td>31-Jul-2017</td>
<td>30-Aug-2019</td>
</tr>
</tbody>
</table>

| Number of technical staff in environment monitoring agency trained and passed the final test (Number, Custom Breakdown) |
|---|---|---|---|
| **Baseline** | **Actual (Previous)** | **Actual (Current)** | **End Target** |
| Value | 0.00 | 190.00 | 292.00 | 310.00 |
| Date | 29-Aug-2011 | 31-Dec-2016 | 31-Jul-2017 | 30-Aug-2019 |

| Number of HCW treatment system operators trained and passed the final test (Number, Custom Breakdown) |
|---|---|---|---|
| **Baseline** | **Actual (Previous)** | **Actual (Current)** | **End Target** |
| Value | 0.00 | 1,242.00 | 1,242.00 | 1,200.00 |
| Date | 29-Aug-2011 | 31-Dec-2016 | 31-Jul-2017 | 30-Aug-2019 |

| Health personnel receiving training (number) (Number, Custom) |
|---|---|---|---|
| **Baseline** | **Actual (Previous)** | **Actual (Current)** | **End Target** |
| Value | 0.00 | 14,537.00 | 20,370.00 | 50,000.00 |
| Date | 29-Aug-2011 | 31-Dec-2016 | 31-Jul-2017 | 30-Aug-2019 |
### Number of hospital grants completed (Number, Custom)

<table>
<thead>
<tr>
<th></th>
<th>Baseline</th>
<th>Actual (Previous)</th>
<th>Actual (Current)</th>
<th>End Target</th>
</tr>
</thead>
<tbody>
<tr>
<td>Value</td>
<td>0.00</td>
<td>24.00</td>
<td>39.00</td>
<td>185.00</td>
</tr>
<tr>
<td>Date</td>
<td>29-Aug-2011</td>
<td>31-Dec-2016</td>
<td>31-Jul-2017</td>
<td>30-Aug-2019</td>
</tr>
</tbody>
</table>

### Number of hospitals meeting: (a) wastewater standards; (b) solid waste standards; (c) HCWM practice standard (Number, Custom)

<table>
<thead>
<tr>
<th></th>
<th>Baseline</th>
<th>Actual (Previous)</th>
<th>Actual (Current)</th>
<th>End Target</th>
</tr>
</thead>
<tbody>
<tr>
<td>Value</td>
<td>0.00</td>
<td>57.00</td>
<td>57.00</td>
<td>185.00</td>
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<td>Date</td>
<td>29-Aug-2011</td>
<td>31-Dec-2016</td>
<td>31-Dec-2016</td>
<td>31-Aug-2017</td>
</tr>
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</table>

### Number of hospitals meeting wastewater standards (Number, Custom Breakdown)

<table>
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<tr>
<th></th>
<th>Baseline</th>
<th>Actual (Previous)</th>
<th>Actual (Current)</th>
<th>End Target</th>
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<tbody>
<tr>
<td>Value</td>
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<td>22.00</td>
<td>34.00</td>
<td>110.00</td>
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<td>31-Dec-2016</td>
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### Number of hospitals meeting solid waste treatment standards (Number, Custom Breakdown)

<table>
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<th>Actual (Current)</th>
<th>End Target</th>
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<tr>
<td>Value</td>
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<td>11.00</td>
<td>21.00</td>
<td>114.00</td>
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<td>31-Dec-2016</td>
<td>31-Jul-2017</td>
<td>30-Aug-2019</td>
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</table>
### Number of hospital meeting HCWM practice standards (Number, Custom Breakdown)

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<th>Baseline</th>
<th>Actual (Previous)</th>
<th>Actual (Current)</th>
<th>End Target</th>
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<tr>
<td>Value</td>
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<td>24.00</td>
<td>40.00</td>
<td>185.00</td>
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<td>31-Dec-2016</td>
<td>31-Jul-2017</td>
<td>30-Aug-2019</td>
</tr>
</tbody>
</table>

### The number of new or revised policies, regulatory documents adopted and applied HCWM studies published and disseminated (Number, Custom)

<table>
<thead>
<tr>
<th></th>
<th>Baseline</th>
<th>Actual (Previous)</th>
<th>Actual (Current)</th>
<th>End Target</th>
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<tbody>
<tr>
<td>Value</td>
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<td>7.00</td>
<td>12.00</td>
<td>13.00</td>
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<td>31-Dec-2016</td>
<td>31-Jul-2017</td>
<td>30-Aug-2019</td>
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### Number of Policy and administrative documents (Number, Custom Breakdown)

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<th>Baseline</th>
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<tbody>
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<td>5.00</td>
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### Number of Technical regulations (Number, Custom Breakdown)

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Number of Technical guidance manuals (Number, Custom Breakdown)

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<td>31-Jul-2017</td>
<td>30-Aug-2019</td>
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</table>

Reduce number of hospitals in black list issued in the Decision 1788 by Prime Minister (Number, Custom)

<table>
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<th>Actual (Current)</th>
<th>End Target</th>
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<td>30-Aug-2019</td>
</tr>
</tbody>
</table>

Progress reports and audit reports are submitted with satisfactory quality and timely manner (Yes/No, Custom)

<table>
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<tr>
<th>Value</th>
<th>Baseline</th>
<th>Actual (Previous)</th>
<th>Actual (Current)</th>
<th>End Target</th>
</tr>
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<tr>
<td>Value</td>
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<td>Y</td>
<td>Y</td>
<td>Y</td>
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<td>31-Dec-2016</td>
<td>31-Jul-2017</td>
<td>30-Aug-2019</td>
</tr>
</tbody>
</table>

Overall Comments

Data on Financial Performance

Disbursements (by loan)

<table>
<thead>
<tr>
<th>Project</th>
<th>Loan/Credit/TF</th>
<th>Status</th>
<th>Currency</th>
<th>Original</th>
<th>Revised</th>
<th>Cancelled</th>
<th>Disbursed</th>
<th>Undisbursed</th>
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<tbody>
<tr>
<td>P119090</td>
<td>IDA-48990</td>
<td>Effective</td>
<td>USD</td>
<td>150.00</td>
<td>150.00</td>
<td>0.00</td>
<td>79.38</td>
<td>56.77</td>
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Key Dates (by loan)
### Project Loan/Credit/TF Status Approval Date Signing Date Effectiveness Date Orig. Closing Date Rev. Closing Date

<table>
<thead>
<tr>
<th>Project</th>
<th>Loan/Credit/TF</th>
<th>Status</th>
<th>Approval Date</th>
<th>Signing Date</th>
<th>Effectiveness Date</th>
<th>Orig. Closing Date</th>
<th>Rev. Closing Date</th>
</tr>
</thead>
</table>

### Cumulative Disbursements

![Cumulative Disbursements Graph](image)

- **Restructuring History**
  Level 2 Approved on 05-Jun-2016, Level 2 Approved on 21-Jul-2017

### Related Project(s)

There are no related projects.