

Environmental and Social Monitoring Report

Semi-Annual Report
December 2016

Viet Nam: Central Regions Rural Water Supply and Sanitation Sector Project

WATER SUPPLY AND SANITATION OF DIEN YEN COMMUNE DIEN CHAU DISTRICT - NGHE AN PROVINCE

Prepared by The Joint Venture of CDM International Inc., Nippon Koei Co. Ltd. and Vinaconsult
JSC for the Asian Development Bank.

CURRENCY EQUIVALENTS

(as of 2 December 2016)

| | | |
|---------------|---|------------|
| Currency unit | – | dong (VND) |
| VND1.00 | = | \$0000440 |
| \$1.00 | = | VND22714 |

ABBREVIATIONS

| | |
|----------|---|
| ADB | – Asian Development Bank |
| AHs | – affected households |
| APs | – Affected Persons |
| CARC | – Compensation Assistance Resettlement Committee |
| CSC | – Design-Build Construction Supervision Consultant |
| CPC | – Commune People's Committee |
| CPMU | – Central Project Management Unit |
| CVWU | – Communal Vietnam Women's Union |
| D&B | – Design and Build |
| DARD | – Department of Agriculture and Rural Development, Provincial |
| DONRE | – Department of Natural Resources and Environment, Provincial |
| DPC | – District People's Committee |
| EARF | – Environmental Assessment and Review Framework |
| EC | – Environmental Protection Commitment |
| EMP | – Environmental Management Plan |
| EMoP | – Environmental Monitoring Plan |
| EO | Environmental Officer |
| FS | Feasibility Study |
| GoV | Government of Vietnam |
| HHs | Households |
| IEE | Initial Environmental Examination |
| LARC | Land Acquisition and Resettlement Completion Report |
| LARP | Land Acquisition and Resettlement Plan |
| lpcd | Litters per capita per day |
| MARD | Ministry of Agriculture and Rural Development |
| MOH | Ministry of Health (BYT) |
| MONRE | Ministry of Natural Resources and Environment (BTNMT) |
| MOU | Memorandum of Understanding |
| NCERWASS | National Centre for Rural Water Supply and Environmental Sanitation |
| NGO | Non-governmental Organization |
| NOL | No Objection Letter |
| O&M | Operation and Maintenance |
| ODA | Official Development Assistance |
| OHS | Occupational Health and Safety |
| OU | Operational Unit |
| PCERWASS | Provincial Centre for Rural Water Supply and Environmental Sanitation |
| PIA | Project Implementation Assistance |
| PPC | Provincial People's Committee |
| PPMU | Provincial Project Management Unit |
| PVWU | Provincial Vietnam Women's Union |
| REA | Rapid Environmental Assessment |

| | |
|------|---|
| SAR | Subproject Appraisal Report |
| SIEE | Summary Initial Environmental Examination |
| SSO | Subproject Site Office |
| VND | Vietnam Dong |
| VWU | Vietnam Women's Union |
| WSCC | Water and Sanitation Commune Committee |
| WTP | Water Treatment Plant |

NOTE

In this report, "\$" refers to US dollars.

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**MINISTRY OF AGRICULTURE AND RURAL DEVELOPMENT
NATIONAL CENTRE FOR RURAL WATER SUPPLY AND
ENVIRONMENTAL SANITATION**

**CENTRAL REGIONS RURAL WATER SUPPLY AND
SANITATION SECTOR PROJECT**

{ADB Loan No. 2609-VIE (SF)}

**Safeguards Monitoring Report
January - June 2016**

**WATER SUPPLY AND SANITATION OF
DIEN YEN COMMUNE
DIEN CHAU DISTRICT - NGHE AN PROVINCE**

**Consulting Services
For
Project Implementation Assistance**

The Joint Venture of
CDM International Inc., Nippon Koei Co. Ltd. and Vinaconsult JSC

October 2016

CENTRAL REGIONS RURAL WATER SUPPLY AND SANITATION SECTOR PROJECT

{ADB Loan No. 2609-VIE (SF)}

Safeguards Monitoring Report January - June 2016

**WATER SUPPLY AND SANITATION OF
DIEN YEN COMMUNE
DIEN CHAU DISTRICT - NGHE AN PROVINCE**

PIA Consultant

CPMU

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Team Leader

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Director

This report has been prepared based on a combination of information provided by others and by the PIA Consultant. The PIA Consultant has to the extent reasonably possible validated and verified the accuracy of the information in the reports and appendices. To the best of the PIA Consultant's believe and knowledge, the included information is reasonably accurate and correct.

The Joint Venture of
CDM International Inc., Nippon Koei Co. Ltd. and Vinaconsult JSC

October 2016

Internal Quality Control

| | |
|------------------------------------|--|
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| Project No. | ADB Loan No. 2609-VIE (SF) |
| Client | National Centre For Rural Water Supply And Environmental Sanitation |
| Classification | Safeguards Monitoring Report |
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Figure 1 **Location map of six Project Provinces of the central coastal region of Vietnam**

Preface

The Government of Vietnam and the Asian Development Bank (ADB) have agreed to implement the Central Region Rural Water Supply and Sanitation Sector Project (Project) scheduled to be completion by 31 December 2016. The Project has a total budget of US\$ 50 million and is expected to provide access to clean water and hygienic sanitation for about 200,000 rural people in 33 communes in the six coastal central region provinces of Vietnam: Thanh Hoa, Nghe An, Ha Tinh, Quang Binh, Quang Nam and Binh Dinh.

The Loan Agreement was signed on 2nd February 2010. On 26th July 2011, the National Centre for Rural Water Supply and Environmental Sanitation (NCERWASS) of the Ministry of Agriculture and Rural Development (MARD) signed a Contract for Consulting Services for Project Implementation Assistance with CDM International Inc. in a joint venture with Nippon Koei Co. Ltd and national consultant Vinaconsult JSC (PIA Consultant). The PIA Consultant mobilized its team members on 25th August 2011.

This Safeguards Monitoring Report - Jan-June 2016 covers main findings of the monitoring of safeguards issues of operation activities carried out during the reporting period from January to the end of June 2016. This report is prepared based on review of Subproject information/documentation of the Provincial Project Management Unit (PPMU) and Operating Unit (OU) during Water Treatment Plant's (WTP) operation, and observations made by PIA Consultant during supervision missions fielded in March and May 2016 to the Subproject area.

List of Abbreviations

| | |
|----------|---|
| ADB | Asian Development Bank |
| AHs | Affected Households |
| APs | Affected Persons |
| CARC | Compensation Assistance Resettlement Committee |
| CSC | Design-Build Supervision Consultant |
| CPC | Commune People's Committee |
| CPMU | Central Project Management Unit |
| CVWU | Communal Vietnam Women's Union |
| D&B | Design and Build |
| DARD | Department of Agriculture and Rural Development, Provincial |
| DONRE | Department of Natural Resources and Environment, Provincial |
| DPC | District People's Committee |
| EARF | Environmental Assessment and Review Framework |
| EC | Environmental Protection Commitment |
| EMP | Environmental Management Plan |
| EMoP | Environmental Monitoring Plan |
| EO | Environmental Officer |
| FS | Feasibility Study |
| GoV | Government of Vietnam |
| HHs | Households |
| IEE | Initial Environmental Examination |
| LARC | Land Acquisition and Resettlement Completion Report |
| LARP | Land Acquisition and Resettlement Report |
| lpcd | Litters per capita per day |
| MARD | Ministry of Agriculture and Rural Development |
| MOH | Ministry of Health (BYT) |
| MONRE | Ministry of Natural Resources and Environment (BTNMT) |
| MOU | Memorandum of Understanding |
| NCERWASS | National Centre for Rural Water Supply and Environmental Sanitation |
| NGO | Non-governmental Organization |
| NOL | No Objection Letter |
| O&M | Operation and Maintenance |
| ODA | Official Development Assistance |
| OHS | Occupational Health and Safety |
| OU | Operating Unit |
| PCERWASS | Provincial Centre for Rural Water Supply and Environmental Sanitation |
| PIA | Project Implementation Assistance |
| PPC | Provincial People's Committee |
| PPMU | Provincial Project Management Unit |
| Project | Central Region Rural Water Supply and Sanitation Sector Project |
| PVWU | Provincial Vietnam Women's Union |

| | |
|------------|---|
| REA | Rapid Environmental Assessment |
| SAR | Subproject Appraisal Report |
| SIEE | Summary Initial Environmental Examination |
| SSO | Subproject Site Office |
| Subproject | Dien Chau-Nghe An Pilot Subproject |
| VND | Vietnam Dong |
| VWU | Vietnam Women's Union |
| WSCC | Water and Sanitation Commune Committee |
| WTP | Water Treatment Plant |

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1 INTRODUCTION AND PROJECT OVERVIEW

1.1 Introduction

The Water Supply and Sanitation Subproject for Dien Yen Commune, Dien Chau District, Nghe An Province is one of the 6 Pilot Subprojects of the Central Region Rural Water Supply and Sanitation Sector Project (Project). The Project is implemented under the Loan Agreement No. 2609 - VIE (SF) between the Socialist Republic of Vietnam (GoV) and the Asian Development Bank (ADB).

The Project is designed as a sector investment project. The implementation of the Project is aimed to result in better health and living conditions of people living in rural areas in the Project provinces of Thanh Hoa, Nghe An, Ha Tinh, Quang Binh, Quang Nam and Binh Dinh. The Project is to construct a piped water supply systems, and sanitation facilities and promote safer hygiene practices by the commune's residents. The Project's components are: (i) Operational and sustainable piped water supply system; (ii) Improved household and public sanitation; (iii) Improvement of hygiene awareness; (iv) Strengthened sector planning and implementation capacity; and (v) Improved project management capacity.

In accordance with the Memorandum of Understanding (MOU) agreed between the ADB and the Central Project Management Unit (CPMU), this Semi-annual Safeguards Monitoring Report is prepared for the Dien Chau-Nghe An Pilot Subproject (Subproject) and it covers issues in the first half-year of 2016.

The Nghe An Pilot Subproject is located in Dien Yen commune of Dien Chau District. The Subproject is designed to improve rural water supply and sanitation facilities and to promote safer hygiene practices by the rural communes. Water supply includes construction of piped water supply schemes with treatment facilities. The Subproject includes construction of school and public latrines where school and public health education programs are being carried out.

The Design-Build package for Water Supply System of Dien Yen commune, Dien Chau District, Nghe An province was commenced in June 2013. The construction works of the Water Supply package were officially handed over in November 2014. Construction and handing over of latrines (Sanitation package) were completed in April 2014. The Subproject is currently under the O&M stage.

1.2 Subproject Overview and Progress

Table 1 Dien Chau-Nghe An Pilot Subproject Safeguards Overview.

| | | |
|----------------------------------|---|---|
| Project Number and Title: | ADB Loan No. 2609-VIE (SF) Central Region Rural Water Supply and Sanitation Sector Project Sub-project: Construction of Water Supply and Sanitation for Dien Yen Commune, Dien Chau District, Nghe An Province | |
| Safeguards Category | Environment | B |
| | Involuntary Resettlement | B |
| | Indigenous People | C |
| Reporting period: | January 2016 – June 2016 | |

| | |
|--|--|
| Last report date: | June 2016 |
| Key sub-project activities since last report: | <ul style="list-style-type: none"> • Construction Component <ul style="list-style-type: none"> ❖ The Subproject of Dien Yen commune includes two construction packages: <ul style="list-style-type: none"> (i) Water supply package was signed on the 14th June 2013, construction was completed on the 20th November 2014; and (ii) The D&B Contract of the Sanitation Package was signed on 19th July 2013. Detailed Designs of the Sanitation Facilities were approved by Nghe An DARD on 27th September 2013. Construction and handing over of latrines were completed in April 2014 as scheduled in the signed contract. • Progress of Work <ul style="list-style-type: none"> ❖ Main items of water supply component: <ul style="list-style-type: none"> (i) Water treatment plant with a capacity of 1,700 m³/d: 100% of all facilities (ii) Length of transmission, distribution and service pipelines have been installed: 64.5 km (iii) Service connections: 3,515 connections (achieving 98% of the total households who registered to connect) <p>→ The overall progress of water supply component is 100%. The O&M manual was available on July 18, 2014. The water supply works were handed over and put into use on November 20, 2014. The as-built drawings and the certificate of completion of this package were available on November 20, 2014.</p> ❖ Main items of sanitation component: <ul style="list-style-type: none"> (i) Toilet substructures for poor and near poor households with sole income made by women: 252 units (this number is lower than the estimated number of toilets in the signed contract as some households had already built their latrines before the construction phase) (ii) Construction of public latrines: 6 units (5 for schools and 1 for commune health station) <p>→ The overall progress of sanitation component is 100 %. The sanitation works were handed over and put into use on April 5, 2014. The as-built drawings and the certificate of completion of this package were available on April 5, 2014.</p> • Changes of Surrounding Environment: <p>The raw water reservoir and WTP site situate within the</p> |

| | |
|----------------------------|---|
| | field land. No major negative impacts are found on the surrounding environment. |
| Report prepared by: | PIA consultant |

2 ENVIRONMENTAL PERFORMANCE MONITORING

2.1 EMP/EMoP Implementation and Compliance

EMP/EMoP Implementation by D&B Contractor

During the construction phase, the implementation of the Environmental Management Plan (EMP) was the responsibility of the D&B Contractor. The D&B Contractor's responsibility included the appropriate and timely application of the mitigating measures stipulated in the approved EMP and Environmental Monitoring Plan (EMoP). The application and implementation of the mitigation measures were to provide the safeguards that would control, reduce if not eliminate unwanted effects during the Subproject implementation.

Regarding raw water quality, during the construction phase, the D&B Contractor conducted raw water quality analysis during the Detailed Design phase to verify any changes of raw water quality and to determine needed adjustment to the water treatment process; and another analysis in the end of construction when the WTP is already for operation, to monitor any changes in raw water quality.

EMP/EMoP Implementation by Operating Unit

During the O&M phase, the Operating Unit (OU) is responsible for adherence to mitigation measures and activities stipulated in the EMP and EMoP plans. They are primarily focused on safe operation of the WTP and distribution of treated water including: (i) regular testing of raw water quality and treated water quality; (ii) regular monitoring of the quality of effluent from sludge settling tank of WTP; and (iii) applying the health and safety regulations specified in the EMP. The operators also need to carry out O&M procedures in accordance with the O&M manual.

2.2 Environmental Monitoring by CSC/PPMU

During the construction phase, the inspection, evaluation and recording of compliance to the EMP and EMoP as implemented by the D&B Contractors were undertaken by the Design-Build Construction Supervision Consultant (CSC) in the field with the assistance of the PIA Consultant. The CSC carried out weekly and monthly inspections and maintained records of the D&B Contractor's mitigating measures and activities prescribed in the approved EMP and EMoP plans of the Subproject. The responsibilities of the CSC covered the period to the end of the commissioning stage including certifying of construction materials/equipment/items and final checking and acceptance for handing over to operation.

These inspection and evaluation records were consolidated by the CSC in the Quarterly Environmental Monitoring Report. The CSC's collation and synthesis of the D&B Contractors' compliance to the requirements of the EMP and EMoP were summarized in matrix attached with the report submitted to the CPMU and PIA Consultant within 15 days after the end of each quarter.

During the operation phase, PPMU's Environmental Officer (EO) is responsible for monitoring the OU compliance to the EMP and EMoP, as well as consolidating all the records of the OU's operator on laboratory analysis and health and safety issues, and

quarterly reporting to the CPMU and PIA Consultant within 15 days after the end of each quarter.

2.3 Monitoring Activities Carried Out by PIA Consultant

During the construction phase, the PIA Consultant has provided support and advice to the CSC and D&B Contractors as well as the OU in implementation of EMP/EMoP and assisted CPMU in compiling monitoring reports for submission to ADB. The PIA Consultant has carried out field visits for inspection of environmental performance during Subproject implementation.

During the first half-year of 2016, the PIA Consultant conducted two field trips to the Subproject, in March and in May 2016. The on-site visit was made to check the quality of the WTP's operation, check the compliance with the operating documents including environmental issues, as well as examine the use of the sanitation facilities. A meeting with PPMU staff and OU's personnel was held after each on-site monitoring to give them recommendation/advice on the Subproject operation and to discuss and find resolutions to the emerging issues. Specific site visits to monitor the environmental compliance of the Subprojects consisted of the following activities:

- (i) Inspection of the WTP's operation and monitoring environmental compliance; and
- (ii) Checking the WTP's operating diaries.

The collation of the OU's quarterly monitoring reports and PIA Consultant's on-site visits on the assessment of the safeguard compliance to the requirements of the EMP and EMoP is summarized in environmental performance matrix of the Subproject attached with this report as an *Annex 1* and results of water quality analysis in *Annex 2*.

2.4 Key Issues for Further Actions

Table 2 Environmental Issues for Further Action.

| Issue | Explanations | Responsibility and Timing | Resolution |
|---|---|--------------------------------|---|
| Old Issues from Previous Reports | | | |
| None | | | |
| New Issues from This Report: | | | |
| Effluent from sludge settling tank was tested and monitored with Limiting value set in QCVN 14:2008/BTNMT | QCVN 14:2008/BTNMT applies for domestic wastewater, not for industrial wastewater | The OU to test twice per year. | The effluent must be tested and monitored with Limiting value set in QCVN 40:2011/BTNMT |

3 INVOLUNTARY RESETTLEMENT PERFORMANCE MONITORING

3.1 Summary of Compliance with RP Requirements

Nghe An PPMU has paid compensation to affected households before ADB's approval of the Updated Land acquisition and Resettlement Plan (LARP). As a consequence of the said non-compliance, ADB issued Letter dated 21st January 2014 to stop construction activities of Nghe An Subproject. After that, Nghe An PPMU has updated LARP and submitted it to ADB for approval. Through No Objection Letter dated 25th April 2014, ADB approved Nghe An Updated LARP and allowed construction works to resume.

As requested by ADB and CPMU, PIA Consultant undertook a review of LARP processes carried out and submitted the Due Diligence Report to ADB on 6th May 2014.

Through CARB, PPMU has fully paid to 03 affected households, in which, 01 household is impacted on house, structures and crops; 02 households are impacted on grave. The total compensation and allowance paid to affected persons are 2,086,899,900 VND. The grievance redress mechanism was established in communal, district and provincial levels to solve complaints from affected persons.

On 22 and 23, 2014, PIA Consultant carried out a site review and had meeting with PPMU and other concerned stakeholders for preparing Due Diligence Report. Based on the findings and review of the LARP processes carried out by the PPMU and Compensation Assistance Resettlement Board, PIA Consultant prepared the Due Diligence Report and submitted it to ADB on 6th May 2014. Table below summarizes the compliance with RP requirements.

The grievance redress mechanism was established on communal, district and provincial levels to solve any potential complaints from affected persons.

Up to December 2014, the land acquisition and resettlement activities in Dien Chau subproject were completed. The Updated LARP has been approved on 25 April 2014 by ADB. According to the stipulation of Project Resettlement Framework, the transition subsistence allowance should be paid to the affected households in tranches every 6 months to coincide with the cropping season. The first and second installment of transition subsistence allowance was paid to effected household in 5 May and 28 November 2014 respectively. On the 04 June 2015, PPMU of Nghe An paid the third installment of transition subsistence allowance of VND 6,000,000 to Mr. Nguyen Huu Binh. The last payment with the same amount of transition subsistence allowance was paid on 12 January 2016. The receipt of this third and last payment is attached as *Annex 3*.

The Land Acquisition and Resettlement Completion Report (LARC Report) is under preparation. .

Table 3 Summary of Compliance with RP Requirements

| RP Requirements | Compliance status | Comment or Reasons for Compliance, Partial Compliance/Non-Compliance | Issues for Further Action ¹ |
|---------------------------------------|-------------------|---|--|
| Establishment of personnel in PMU/PIU | Yes | Compensation Assistance and Resettlement Board (CARB) established according to Decision No. 2033/QĐ-UNND, dated on 29 th | |

¹ To be elaborated further in Table 4 (Issues for Further Action)

| RP Requirements | Compliance status | Comment or Reasons for Compliance, Partial Compliance/Non-Compliance | Issues for Further Action ¹ |
|---|-------------------|---|--|
| | | September 2011. | |
| Public consultation and socialization process | Yes | <ul style="list-style-type: none"> Public Consultations during preparation phase: From 19th to 24th February 2012. Public consultation during project implementation: From 28th to 30 September 2013 <i>For further details refer to Section 5</i> | |
| Land area to be acquired is identified and finalised | Yes | Total area acquired for water treatment plant is 30,793.5 m ² . This land is public land managed by Dien Yen CPC. | |
| Land acquisition completed | Yes | Until now, the land acquisition has been completed and the construction has been carried out. There has not been any complaint reported yet. | |
| Establishment of Resettlement Site(s) | Not applicable | | |
| Compensation payments for affected assets is completed | Yes | <ul style="list-style-type: none"> Total Number of Eligible AHs and APs (as per agreed RP): 3 households are impacted on house and structure. Number of AHs and APs compensated as of this monitoring period: 3 households. Total Budget allocation as per agreed RP: Total approved budget for compensation for affected subjects is 2,086,899,900 VND Total budget disbursed to AHs as of this monitoring period: All compensations have been fully paid for affected households including transition subsistence allowance of 24,000,000 VND | |
| Transport assistance for relocating affected households | Not applicable | | |
| Additional assistance to vulnerable affected household | Not applicable | | |
| Income Restoration Program | Yes | Provided an income restoration amount of VND 24,000,000 for household Nguyen Huu Binh, the first, second and the third income | |

| RP Requirements | Compliance status | Comment or Reasons for Compliance, Partial Compliance/Non-Compliance | Issues for Further Action ¹ |
|---|-------------------|--|--|
| | | restoration amount was paid on 5 May 2014, 28 November 2014 and 4 June 2015 respectively. . The last payment VND 6,000,000 will be paid on January 2016. Mr. Binh was allowed to lease another public land lot of Dien Yen DPC with area of 53,279 m ² for production. Contract No. 02 dated 1 st January 2010. | |
| Temporary impacts have been addressed (affected properties restored to at least pre-project conditions) | Not applicable | | |
| Capacity building activities | Yes | Training course on “ADB's social safeguard policies on environment and resettlement” from 2 nd to 4 th April 2014 held in Quang Nam province. | |
| Land Acquisition and Resettlement Completion Report (LARC Report) | Partial | The LARC Report is under preparation. | |

3.2 Issues for Further Action

Table 4 Issues for Further Action on Resettlement.

| Issue | Required Action | Responsibility and Timing | Resolution |
|---|---------------------------------------|---------------------------|------------|
| Old Issues from Previous Reports: | | | |
| Last payment of transition assistance allowance of VND 6,000,000 to the household Mr. Nguyen Huu Binh has been done | None | PPMU January 2016 | None |
| New Issues from This Report | | | |
| None | None | None | |
| Prepare LARP Completion Report | Preparation of LARP Completion Report | | |

4 OCCUPATIONAL HEALTH AND SAFETY PERFORMANCE MONITORING

The Occupational, Health and Safety (OHS) Performance has been monitored for the construction/ operational workers and the public. There has been no remaining or newly

emerging issues regarding to OHS during this reporting period as reported by OU/PPMU's EO or observed by PIA Consultant.

4.1 OHS for Operators

All operators are adequately equipped with personal protective equipment during operation. Necessary O& M training has been provided to the operators followed by frequent supervision by an experienced WTP chief operator.

Table 5 Issues for Further Action on OHS for Operators.

| Issue | Required Action | Responsibility and Timing | Resolution |
|--|-----------------|---------------------------|------------|
| Old Issues from Previous Reports: | | | |
| None | | | |
| New Issues from This Report: | | | |
| None | | | |

4.2 Public Safety

No issues related to public safety has been detected and reported.

Table 6 Issues for Further Action on Public Safety.

| Issue | Required Action | Responsibility and Timing | Resolution |
|--|-----------------|---------------------------|------------|
| Old Issues from Previous Reports: | | | |
| None | | | |
| New Issues from This Report: | | | |
| None | | | |

5 INFORMATION DISCLOSURE AND SOCIALIZATION INCLUDING CAPABILITY BUILDING

5.1 Public Consultations and Information Disclosure

5.1.1 Environmental Public Consultation and Information Disclosure

All of the information regarding the Subproject's implementation, supply of clean water including water quality and tariff has been disseminated to all the beneficiaries through the loudspeaker system of the Subproject commune.

5.1.2 Resettlement Public Consultation and Information Disclosure

Public consultations and disclosure of information during the project preparation phase have been carried out in compliance with ADB's and GOV's policies and guidelines. PPMU of Nghe An will disclose the LARC report to the AHs when it is submitted to ADB.

5.2 Training - Capacity Building

No training courses on safeguards issues were organized for the Pilot Subprojects during the reporting period. During the field trips conducted in March 2016 and May 2016, PIA Consultant specialists gave assistance and guidance on Subproject implementation. Also on-the-job support via phones and emails were provided by the PIA Consultant to clarify any queries from PPMU's staff and OU's operators.

5.3 Press/Media Releases

In order to extent the publicity for the Project information, implementation status and lessons learnt from the ADB funded CRRWSSSP Project has been published and updated on the website of the National Centre for Rural Water Supply and Environmental Sanitation (NCERWASS) (<http://ncerwass.mard.gov.vn/>) since January 2014. These publications aim to share experiences of the Project activities and the Project's progress among the network of Rural Water Supply and Sanitation Project (RWSSP), partners and interested stakeholders.

6 GRIEVANCE REDRESS MECHANISM

Environment

The Subproject facilities are under operation. No grievance has been received until now.

Resettlement

Up to now, no complaint or lawsuits have been recorded.

7 CONCLUSIONS AND RECOMMENDATIONS

Environment

The results of the implementation of the EMP/EMoP have indicated that most of the requirements of the EMP and EMoP have been followed by the Operating Unit during the Subproject operation. Sampling and quality analysis of clear water from WTP and household taps, and effluent from sludge settling tank of WTP, have been carried out. However, limiting value for the effluent should be set in QCVN 40:2011/BTNMT, not set in QCVN 14/2008/BTNMT as provided for this period.

Raw water source protection for the water from irrigation canal must be seriously considered by the PPMU and DPC throughout the operating period of the system to avoid supplying any water polluted by substances from agricultural or people activities. PPMU is requested to coordinate with the concerned DPC to come up with a strategy for the protection of the water irrigation canal, through which, people must be aware of protection of water source along the canal, especially surrounding the water collection gate to the Subproject raw water reservoir.

The overall implementation/compliance of the Nghe An Pilot Subproject's OU to the EMP/EMoP during operation is rated as relatively satisfactory. In the forthcoming time, the PPMU/ PCERWASS shall continuously enforce that the OU's operators will comply with the provisions of the EMP/EMoP, especially to operate the WTP according to the O&M manual and to conduct periodic effluent sampling from the sludge settling tank and quality analyses with limiting value set in QCVN 40/2011/BTNMT.

Resettlement

The last payment of VND 6,000,000 has been made to Mr. Nguyen Huu Binh on 12 January 2016 and this subproject is rated as having complied with Project Resettlement Framework

Annex 1 Subproject Compliance with EMP and EMoP Requirements

(i) Summary of Subproject Compliance with EMP requirements

| EMP Requirements (Mitigation Measures) | Compliance Status (Yes, No, Partial) | Comment or Reasons for Non-Compliance | Issues for Further Action |
|--|---|--|---------------------------|
| OPERATION & MAINTENANCE PHASE | | | |
| Operation at the WTP and Pumping stations | | | |
| <ul style="list-style-type: none"> Equip workers with gas masks and protective clothing and gears such as boots, helmets during working. | Yes | | |
| <ul style="list-style-type: none"> WTP's operator will strictly comply with instructions of use and storage of chemicals. If leakage or spillage events happen, the WTP's operator will inform to relevant agency to deal with immediately. | Yes | | |

List of Abbreviations

| | |
|-----|-------------------------------|
| EMP | Environmental Management Plan |
| O&M | Operation and Maintenance |
| WTP | Water Treatment Plan |
| OU | Operating Unit |

(ii) Summary of Subproject Compliance with EMoP requirements

| EMoP Requirements (Mitigation measures) | Compliance Status (Yes, No, Partial) | Comment or Reasons for Non-Compliance | Issues for Further Action |
|--|---|---|--|
| I. O&M PHASE | | | |
| 1. Raw (surface) Water Quality Conduct raw water sample (taken from raw water reservoir) and analysis quarterly | Yes | | The quality analysis must meet limiting value for the effluent set in QCVN 40:2011/BTNMT |
| 2. Treated water Quality Conduct treated water sample and analysis quarterly | Yes | | |
| 3. Effluent from sludge settling tank of WTP Conduct effluent sampling (taken from sludge lagoon) and analysis semi-annually | Partial | Effluent from sludge settling tank was tested and monitored with the limiting value set as stipulated in QCVN 14:2008/BTNMT for domestic wastewater | |
| 4. Sludge Measure the volume of sludge (from sludge lagoon) quarterly. | Yes | Volume of sludge produced is regularly collected and transferred to the communal dumpsite. | |

List of Abbreviations

| | |
|----------|---|
| EMoP | Environmental Monitoring Plan |
| PCERWASS | Provincial Centre for Rural Water Supply and Environmental Sanitation |

PPMU Provincial Project Management Unit
OU Operating Unit

Annex 3 Receipts of payment

Third payment installment

Chủ đầu tư: Sở Nông nghiệp & PTNT Nghệ An
Đơn vị: Ban ODA cấp nước sạch & VSMT NT Nghệ An
Mã ĐV cấp vốn NS: 1114163

Mẫu số: C31-BB
Ban hành theo TT số 195/2012/TT-BTC
ngày 15/11/2012 của Bộ trưởng Bộ Tài chính

PHIẾU CHI
Ngày 04 tháng 06 năm 2015

Quyển số
Số:
Nợ: 6421
Có: 1111

Họ, tên người nhận tiền: **Nguyễn Hữu Bình**
Địa chỉ: Xã Diễn Yên, huyện Diễn Châu, tỉnh Nghệ An
Lý do chi: Hỗ trợ phục hồi thu nhập kinh tế
Số tiền: **6.000.000** (Viết bằng chữ) Sáu triệu đồng
Kèm theo: chứng từ gốc.

Ngày 04 tháng 06 năm 2015

Thủ trưởng đơn vị
(Ký, họ tên, đóng dấu)
Phan Bùi Mỹ
Đã nhận đủ số tiền (Viết bằng chữ): Sáu triệu đồng

Kế toán trưởng
(Ký, họ tên)
Trần Văn Chiến

Người lập
(Ký, họ tên)
Phạm Thị Tú Anh

Ngày 04 tháng 06 năm 2015

Thủ quỹ
(Ký, họ tên)
Lê Thị Na

Người nhận tiền
(Ký, họ tên)
Nguyễn Hữu Bình

+ Tỷ giá ngoại tệ (vàng bạc đá quý):
+ Số tiền quy đổi:
(Nếu gửi ra ngoài phải đóng dấu)

Translation

Employer: Department of Agriculture and Rural Development of Nghe An
Unit: PPMU of Nghe An
Unit Code in relation with State Budget: 1114163

Template No. C31-BB
Issued with Circular
No.195/2012/TT-BTC dated 15 Nov
2012 by Minister of Finance

RECEIPT NOTE Date 04 June 2015

Book Number
Number:
Debit: 6421
Credit: 1111

Name of the receiver: **Nguyen Huu Binh**

Address: Dien Yen commune, Dien Chau district, Nghe An province

Reason: Transition subsistence allowance

Amount: VND **6,000,000** (In words: *Six million dongs*)

Attached with: original documents

Date 04 June 2015

Head of the unit

(Signed)

Phan Bui My

Chief Accountant

(Signed)

Tran Van Chien

Prepared by

(Signed)

Pham Thi Tu Anh

Received the full amount of (in words): Six million dongs

Date 04 June 2015

Cashier

(Signed)

Le Thi Na

Receiver

(Signed)

Nguyen Huu Binh

+ Currency exchange rate (gold, silver or gemstone):

+ Amount of exchanged money:

(Stamp required if externally sent)

Last payment installment

Chủ đầu tư: Sở Nông nghiệp & PTNT Nghệ An
Đơn vị: Ban QĐDA cấp nước sạch & VSMT NT Nghệ An
Mã ĐV có QH với NS: 114163

Mẫu số: C31-BB
Ban hành theo TT số 195/2012/TT-BTC
ngày 15/11/2012 của Bộ trưởng Bộ Tài chính

PHIẾU CHI
Ngày 12 tháng 01 năm 2016

Quyển số:
Số:
Nợ: 241127
Có: 1111

Họ, tên người nhận tiền: **Nguyễn Hữu Bình**
Địa chỉ: Xã Diễn Yên huyện Diễn Châu, tỉnh Nghệ An
Lý do chi: Hỗ trợ phục hồi thu nhập kinh tế
Số tiền: **6.000.000** (Viết bằng chữ) Sáu triệu đồng chẵn

Kèm theo: chứng từ gốc.

Ngày 12 tháng 01 năm 2016

Thủ trưởng đơn vị
(Ký, họ tên, đóng dấu)
Phan Bùi Mỹ
Đã nhận đủ số tiền (Viết bằng chữ):

Kế toán trưởng
(Ký, họ tên)
Trần Văn Chiến
Sáu triệu đồng chẵn

Người lập
(Ký, họ tên)
Phạm Thị Tú Anh

Ngày 12 tháng 01 năm 2016

Thủ quỹ
(Ký, họ tên)
Lê Thị Na

Người nhận tiền
(Ký, họ tên)
Nguyễn Hữu Bình

+ Tỷ giá ngoại tệ (vàng bạc đá quý):
+ Số tiền quy đổi:
(Nếu gửi ra ngoài phải đóng dấu)

nslation

Tra

Employer: Department of Agriculture and Rural Development of Nghe An
Unit: PPMU of Nghe An
Unit Code in relation with State Budget: 1114163

Template No. C31-BB
Issued with Circular No.195/2012/TT-BTC
dated 15 Nov 2012 by Minister of Finance

RECEIPT NOTE
Date 12 January 2016

Book Number
Number: 61
Debit: 241127
Credit: 1111

Name of the receiver: **Nguyen HuuBinh**

Address: Dien Yen commune, DienChau district, Nghe An province

Reason: Transition subsistence allowance

Amount: VND **6,000,000** (In words: *Six million dongs*)

Attached with: original documents

Date 12 January 2016

Head of the unit

(Signed)

Phan Bui My

Chief Accountant

(Signed)

Tran Van Chien

Prepared by

(Signed)

Pham ThiTuAnh

Received the full amount of (in words): Six million dongs

Date 12 January 2016

Cashier

(Signed)

Le Thi Na

Receiver

(Signed)

Nguyen Huu Binh

+ Currency exchange rate (gold, silver or gemstone):

+ Amount of exchanged money:

(Stamp required if externally sent)

Annex Photographs



Figure 2 Raw water reservoir (June 2015)



Figure 3 Wash basin outside chemical house (June 2015)



Figure 4 Sodium hypochloride injection equipment (June 2015)



Figure 5 Chlorination system (June 2015)



Figure 6 Toilet and shower for operator (July 2015)



Figure 7 Settling tanks without handrails for the internal edge (July 2015)



Figure 8 **Used latrine with granted substructure by the project for a poor household (July 2015)**



Figure 9 **Non-used granted substructure of latrine (July 2015)**