SSQH-Nord
Services de Santé de Qualité Pour Haïti - Nord

Quarterly Environmental Mitigation Report
July 2014

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This report was prepared by the USAID SSQH-Nord Project, which is funded by the American People jointly sponsored by USAID and the Government of Haiti. The project is managed by University Research Co., LLC (URC) under the terms of Contract No. AID-521-C-13-00010. URC's subcontractors for the SSQH-Nord Project include Save the Children Federation, Inc., Abt Associates, FOSREF, and CDS.

Acronyms and Abbreviations

AWP	Annual Work Plan
DHS	Demographic and Health Survey
CHW	Community Health Workers
EHS	Environmental Health and Safety
EMMP	Environmental Mitigation and Monitoring Plan
EMPR	Environmental Mitigation Plan and Report
ESF	Environmental Screening Form
GOH	Government of Haiti
GDP	Gross Domestic Product
HIV	Human Immunodeficiency Virus
KMC	Kangaroo Mother Care
LAC	Latin America and the Caribbean
MSPP	Ministry of Health
MW	Medical Waste
MWMP	Medical Waste Management Plan
NGO	Non-Governmental Organization
QC	Quality Control
QI	Quality improvement
SSQH-Nord	Services de Santé de Qualité pour Haïti-Nord
USAID	United States Agency for International Development
URC	University Research Corporation, LLC

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Quarterly Environmental Mitigation Report

USAID MISSION DO Title: **Health and Nutrition Status of the Haitian Population Improved**

Activity Number: **IR 3.1 Access to essential health, nutrition and family planning services increased**

Title of IP Activity: **Services de Santé de Qualité pour Haïti-Nord (SSQH-Nord)**

Contract : AID-521-C-13-0010

IP Name: **University Research Corporation, LLC (URC)**

Funding Period: Base: 09/30/13 - 09/29/16

Associated IEE: **LAC-IEE-11-03**

Resource Levels (US$): Total**: $**[redacted] Base: **$**[redacted]

Report Prepared by: Name: **Neda Dowlatshahi** Date: **July 30, 2014**

Date of Previous EMPR: **November 27th 2013**

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Summary

The SSQH-Nord project is currently in Phase 1: Planning and Feasibility Period as described in the EMPR submitted on November 27th 2013. On December 11th 2013, we received provisional approval to proceed from the Contracting Officer Representative based on the draft EMPR submitted. On March 25th 2014, we received communications to continue operating under the under SDSH EMPR. We received conditional approval for the URC EMPR from the Contracting Officer Representative pending updating of the IIE by USAID on April 24th 2014.

The SSQH-Nord Project has been conducting site visits to the 84 supported health facilities concurrent and in addition to the comprehensive baseline survey which includes modules on medical waste management. Preliminary findings from the site visits indicate immediate challenges for waste management for which the project has accelerated providing technical and financial support.

The SSQH-Nord project conducted extensive clean-up activities, installation of chlorinated water facilities, and WM training at La Tortue, St. Michel de l'Attalaye, and the Marmont Health Dispensary in this period.

Using baseline data that was collected between April 7th and April 28th, a comprehensive environmental mitigation and waste management training and monitoring plan will be finalized and implemented starting with training in August 2014.

Status of Phase 1: Planning and Feasibility Period

This phase covers a six-month period after SSQH-Nord award and overlaps with the competitive selection of the second round of SSQH-Nord health services subcontracts. Its purpose is to integrate environmental compliance with overall SSQH-Nord activities and to bring current and potential implementing partners to a similar level of understanding of the MWM processes that they will be expected to follow.

- *Medical waste generation and current practice survey:* SSQH-Nord staff has incorporated MWM into their supervisory visits and furthermore MWM questions and site-level criteria are included in the baseline survey that was finalized and conducted. The waste management survey can be found in Appendix A. The MSPP Quality Checklist questions for Hygiene and Sanitation are as follows:

<u>Hygiene</u>

1. Closed off and well-maintained area
2. Availability of a trash can
3. Presence of a sufficient number of latrines, and in good condition
4. Presence of a sufficient number of showers, and in good condition
5. Enclosed incinerator and closed pit for placenta
6. Waste pit for uninfected material available
7. Clean corridors (free of needles, gloves, used medical materials)

<u>Sanitation</u>

1. Maintenance of garden (incl. removal of animal excrement)
2. Staff sterilizing equipment according to using approved standards
3. Rooms equipped with closed trash cans for infected waste as well as a well-placed and actively used sharps container

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- *Feasibility assessment of medical waste disposal technologies:* SSQH-Nord conducted a feasibility assessment and identified a WHO-recommended incinerator, called *De Monfort*, which is an affordable and highly functional option for developing countries at a cost of $3000-4000 per site. The project cannot technically participate in building these incinerators so at this juncture SSQH-Nord maintains *De Monfort* as a recommendation for all facilities.

Actions Taken in Period

The Baseline Assessment was completed and a report outlining the current situation of waste management in participating facilities, serving as a complement to the site visit data which were reported in the April 2014 Quarterly Report.

Three supported supervisory visits were conducted during this period at Ouanaminthe, Konbit Sante, and La Fossette. These visits served to guide the facilities in setting and maintaining cleaning standards and practices that comply with the norms. A follow-up visit was made to La Fossette where it was observed that most of the recommendations had been applied.

In addition, a purchase order with Cloudburst Group was finalized and includes the training of mid-level and senior staff in medical waste management (MWM). Trainings have been scheduled to take place in August 2014.

Initial Findings from the Baseline Surveys

Waste Management Survey:

Waste management at the facility level was measured by observing waste disposal types, infrastructure and procedures. Six waste disposal types were assessed at each facility. Depending on the level of the facility (e.g. hospital, centre de santé, dispensaries) certain waste disposal types may not be applicable for that facility. It is therefore important to be cautious when analyzing the data at the department level because the distribution of facilities by type is likely to differ by department.

The waste disposal type that was present at the most facilities was a trashcan for sharps medical waste. 80 out of the 86 total facilities (93%) had a separate trashcan for sharps medical waste. When broken out by department, over 90% of facilities in each department had a separate trashcan for sharps medical waste. There were also separate trashcans for household waste and bio-hazardous waste in the majority of facilities (80% and 78% respectively). However, only 43% of facilities had a separate trash can for human waste. Facilities have more room for improvement in relation to waste storage and treatment before disposal.

Appropriate waste management infrastructure and procedures at the facility level were measured by reviewing 11 specific requirements. The majority of facilities segregated their waste (80%); however, only 70% of facilities in the Nord-Est department sort their waste. 62% of facilities had a separate container for transport of sharps containers. This requirement varied greatly by department with 81% of facilities in Artibonite meeting it and only 33% and 48% of facilities in Nord-Ouest and Nord-Est meeting it respectively. The other requirements for waste management infrastructure and procedures were met in a fewer of the facilities.

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MSPP Quality Checklist (Hygiene & Sanitation):

The MSPP Checklist used a 20 point scale to assess hygiene at the facility level. The assessment showed the following: Nord receiving the highest overall score of 63% (202 out of 320 points) and Nord-Est receiving the lowest score, 46% (211 out of 460 points). The facilities scored 86% on the cleanliness of the courtyard (no waste or hazardous products). 81% of the facilities had hygienic treatment rooms with closed trash cans for infected waste. Only 66% of facilities had sufficient bathrooms and only 41% had sufficient showers. Only 26% of facilities had an incinerator and closed pit for placenta.

Next Steps

- *Health services RFP and offeror's training:* SSQH-Nord has enlisted the expertise of Cloudburst Group to conduct a series of trainings on MWM in August 2014. The first training, which will take place over the course of one day, will consist of about 15 people from SSQH staff as well as senior management from the Deparatmental Level. A second training, which will take place over the course of three days, will target approximately 40 mid-level staff who will serve as the waste management and Quality Assurance implementers.

APPENDICES

A. Medical Waste Management Survey

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APPENDIX A : Gestion des déchets médicaux

(CE QUESTIONNAIRE EST APPLIQUABLE AU RESPONSABLE ADMINISTRATIF OU PERSONNEL AFFECTÉ À LA GESTION DES DÉCHETS)

Données d'identification

001 Numéro d'enquête	
002 Nom du PPS	
003 Code du PPS	
004 Nom du répondant du PPS	
006 Sa position au niveau du PPS	
005 Nom de l'enquêteur	
006 Date de l'entrevue (jour / mois / année)	
007 Heure de début de l'entrevue	**[_____|_____:_____|_____ _]**

A) SSQH-Nord : check-list de l'étude de référence au niveau du PPS

Question	Codes
A1a Existe-t-il un plan de gestion de déchets médicaux? (Si non, allez à A02)	1 = Oui 0 = Non → A02
A1b A Si oui, vérifier l'existence du Plan de Gestion	1= Oui 0 = Non
A2 Les responsabilités du personnel concernant la gestion des déchets sont-elles clairement attribuées et documentées?	1 = Oui 0 = Non
A3a Y-a-t-il une personne qui a la responsabilité globale de la gestion des déchets médicaux ? (Si non, allez à A05)	1 = Oui 0 = Non → A05
A3b Si oui, indiquer le nom et le poste de cette personne: _____	
A4a Est-ce que tout le personnel médical a été formé? (Si non, allez à A07)	1 = Oui 0 = Non → A07

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A4b Si oui, indiquer les types formation reçus (s'il-vous-plaît encercler toutes les réponses pertinentes): 1– Élimination des seringues 2 – Tri des déchets 3 – Procédures de biosécurité 4 – Transport des déchets à l'interne 5 – Désinfection des déchets 6 – Stockage des déchets 7 – L'Incinération, l'encapsulation, l'enfouissement 88- Autres (Préciser)_____ _____	
A5a Êtes-vous au courant des normes et pratiques en réduction des déchets?	1 = Oui 0 = Non (Si non, passer à la Section B)
A5b Si oui, indiquer les pratiques de réduction des déchets adoptées dans votre PPS? (Décrire s'il vous plaît)	

B) SSQH-Nord : check-list de l'étude de référence au niveau du PPS?

Question	Codes
B1 Les médecins, infirmières, techniciens de laboratoire et du traitement des déchets utilisent-ils des vêtements et de l'équipement de protection lors de la manipulation des déchets médicaux ?	1 = Oui 0 = Non
B2 Des points de lavage des mains avec de l'eau et du savon sont-ils disponibles dans chaque pièce ?	1 = Oui 0 = Non
B3 Des gants, les masques et autres vêtements de protection sont-ils utilisés conformément aux normes ?	1 = Oui 0 = Non
B4 Y a-t-il un document de gestion de stock de fournitures ? Si oui demander à voir une copie du document (ou révisez-le)	1 = Oui 0 = Non
B5 Le réapprovisionnement des fournitures est-il adéquat conformément au calendrier préétabli?	1 = Oui 0 = Non

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Question	Codes
B6 Comment sont traités (enfouissement, incinération) les déchets humides (les pansements ensanglantés, les alèses)? ***S'il vous plaît encercler toutes les options*** 1 – Enfouissement 2 – Incinération 88 – Autre (spécifier) _____ _____	
B7 Comment traite-t-on la literie trempée avec les fluides corporels? 1 – Lavage avec la literie régulière 2 – Lavage séparément 88 – Autre (préciser) _____ _____	
B8 Comment dispose-t-on des déchets liquides ? 1 – Infiltration 2 - Enfouissement 3 – Vidange dans le système de plomberie régulier 88 - Autre (préciser) _____ _____	
B9 Comment se fait le transport interne des déchets? _____ _____	

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Question	Codes
B10 À quelle fréquence se fait la collecte des déchets médicaux? 1 – Chaque jour 2 – Chaque semaine 3 – Aucun calendrier fixe 4 – Différents déchets recueillis à différents moments 88 - Autre (Préciser)_____ _____ _____ _____	
B11 Comment les déchets sont-ils stockés dans le PPS? 1 – Dans une salle fermée à clé 2 – Danse une salle de consultation 3 – Dans un abri 88 – Autre (Préciser)_____ _____ _____ _____	
Vérifier B06, si incinération est citée, poser la B12 si non passez directement à B14	
B12 Si l'incinération est utilisée, répond-elle aux exigences sécuritaires minimales (c.-à-d. conception appropriée, bon entretien, pas de fuite) ?	1 = Oui 0 = Non 9 = Ne sait pas
B13 Y-a-t-il de l'essence disponible pour les incinérateurs fonctionnant au carburant?	1 = Oui 0 = Non 9 = NSP/NA
Vérifier B06, si enfouissement est citée, poser la B14 sinon passez directement à B117	
B14 Y-a-t-il un site approprié pour l'enfouissement des cendres?	1 = Oui 0 =

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Question	Codes
(Si non, allez à B16)	Non → B16
B15 Si l'enfouissement est utilisé, répond-il aux exigences minimales de construction (doublure imperméable, couvercle étanche aux pluies, clôturée pour empêcher la circulation d'animaux, etc.)	1 = Oui 0 = Non
B16 Est-ce que l'enfouissement est correctement utilisé (c.-à-d. que pour les déchets dangereux et les matières plastiques) ?	1 = Oui 0 = Non
B17 Que fait-on avec les déchets non dangereux? 1 – Incinération 2 – Enfouissement 3 – Rien 88 - Autre _____ _____ _____	
B18 Les déchets dangereux sont-ils transportés vers un autre établissement?	1 = Oui 0 = Non
B19 Si oui, à quelle fréquence ? 1 – Chaque jour 2 – Chaque semaine 3 – Aucun calendrier fixe 88- Autre (Préciser)_____ _____ _____ _____	
B20 Comment se fait le transport? (veuillez expliquer)	
B21 Ou sont-ils transportés?_____ 9 = NSP	

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c) SSQH-Nord : check-list d'observation au niveau du PPS

Observation : Vérifier s'il existe différents types de poubelle pour collecter les déchets ?

C1	Déchets assimilables à des déchets ménagers	1 = Oui 0 = Non
C2	Déchets tranchants (aiguilles, tessons de verre, ongles, etc.)	1 = Oui 0 = Non
C3	Déchets infectieux (pansements, matériels souillés, etc.)	1 = Oui 0 = Non
C4	Déchets humains (placenta, etc.)	1 = Oui 0 = Non
C5	Existe-t-il un endroit pour disposer les déchets avant leur traitement ou leur évacuation ?	1 = Oui 0 = Non
C6	Est-ce que les déchets infectieux sont traités avant d'être évacués ?	1 = Oui 0 = Non

Observation : Infrastructure et procédures

C7 Les médecins, infirmières, techniciens de laboratoire et du traitement des déchets utilisent-ils des vêtements et de l'équipement de protection lors de la manipulation des déchets médicaux ?	1 = Oui 0 = Non 99= Non Observé
C8 Des points de lavage des mains avec de l'eau et du savon sont-ils disponibles dans chaque pièce ?	1 = Oui 0 = Non
C9 Des gants, des masques et autres vêtements de protection sont-ils utilisés conformément aux normes ?	1 = Oui 0 = Non 99= Non Observé
C10 Les boîtes de bio- sécurité des objets tranchants sont-ils placés dans un second récipient réservé aux objets tranchants pour le transport ?	1 = Oui 0 = Non 99= Non Observé
C11 Fait-on le tri des déchets ?	1 = Oui 0 = Non 99= Non Observé
C12 Le gestionnaire des déchets a-t-il des gants et des masques de protection appropriés ?	1 = Oui 0 = Non
C13 Les déchets humides (pansements souillés) sont-ils enterrés?	1 = Oui 0 = Non
C14 Les déchets humides (pansements souillés) sont-ils incinérés?	1 = Oui 0 = Non
C15 Y-a-t-il une zone de stockage permanente séparée, qui est éloigné des lieux de de circulation	1 = Oui 0 = Non

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des patients ?	
C16 Le lieu de stockage est-il recouvert ?	1 = Oui 0 = Non
C17 Le lieu de stockage est-il verrouillé ?	1 = Oui 0 = Non
C18 Le lieu d'incinération est-il éloigné des lieux de circulation des patients et du personnel ? Est-ce qu'il dégage de la fumée dans la direction d'autres immeubles non-sanitaires (habitations, écoles, entreprises, marchés, etc.)?	1 = Oui 0 = Non 9 = NA
C19 Notez ici vos observations générales sur la gestion des déchets médicaux dans le PPS cet établissement.	

008 Heure de fin de l'entrevue	**[_____|_____:_____|_____]**

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