

## HYDROCARBON POLLUTION REMEDIATION PROJECT (HYPREP)

Project Coordination Office -Environmental Remediation Unit

Environmental Remediation of Hydrocarbon Impacted Sites in Ogoniland, Rivers State.

Phase 2 Soil and Groundwater Remediation Works on Medium Risk Sites (SMR Lots)

### WEEKLY SITE ASSESSMENT ACTIVITY REPORT

Reporting Week: 2

Date: 17/07/2023 to 22/07/2023

Duration of Contract (in Months):24

Flag-Off Date: 27/04/2023

Mobilization Date: 11/07/2023

Expected End Date: 11/07/2025

Revised End Date: ...../...../202

Duration on Site to Date (in Months -based on 22 Work Days per Month): 1 Months/7Days

### 1.0 SITE INFORMATION

LOT NUMBER	SMR LOT 36	CONTRACTOR:	PHILCOM INTEGRATED LIMITED					
SITE NAME (Name/Community)		F/S FLARE SITE AREA 2 - KAWA COMMUNITY				UNEP Code:	qc- 016-001	
L. G. A	KHANA	SITE REFERENCE GPS COORDINATES (UTM, WGS84, ZONE 32N)				E:509504	N: 331632	
Area (m <sup>2</sup> ) of impacted soil: in the Bill of Quantities (BoQ)		18,800m <sup>2</sup>	Max depth of Impact (m) in the Bill of Quantities (BoQ)		6.0m	Volume (m <sup>3</sup> ) of Soil in the Bill of Quantities (BoQ)		112,800m <sup>3</sup>
Maximum initial Groundwater TPH (µg/l) in the Bill of Quantities (BoQ)			77,000 µg/l		Maximum initial Soil TPH (mg/kg) in the Bill of Quantities (BoQ)			8,800mg/kg

### 2.0 SITE INFRASTRUCTURE

S/No	Site Infrastructures	Quantity	Size {(LxBxH) = .....m <sup>2</sup> /m <sup>3</sup> } -as applicable	Percentage Completion (%)	GPS Coordinates (UTM, WGS84, Zone 32N)		Remarks / Working Condition
					Easting	Northing	
1	Site Offices	1	27*25*3	70%	509657.19	331728.74	Work in progress
2	Sewage systems	1	1.54*2.2*1.54	70%	509657.19	331728.74	Work in Progress
3	Decontamination area	nil		0%			Yet to Progress
4	Engineered Biocell	nil		0%			Yet to Progress
5	Leachate sump	nil		0%			Yet to Progress
6	Security Post	1	2*3*3.5	60%	509657.19	331728.74	Work in Progress
7	Domestic Borehole	1	0.2*0.2*15	60%	509657.19	331728.74	Work in Progress
8	Other						

### 3.0 SITE HSE REPORT

#### 3.1: Computation of Work Manhours

A	B	C	D	E
Total number of personnel on site	Number of days worked in the week	Number of days worked from inception to date	Week Manhours (A x B x 8hrs)	Project to Date Manhours (A x C x 8hrs)
15	5	7	600	840

#### 3.2: HSE Checks

S/N	Work Description	Number	Cumulative	Remarks
1	Toolbox Meetings / Talks	5	7	Toolbox caried out daily
2	Unsafe Acts / Unsafe Conditions / (UA/UC/) recorded	Nil	Nil	No UA/UC recorded on site
3	Unsafe Acts / Unsafe Conditions (UA/UC/) Closed out	Nil	Nil	N/A
4	Near miss	Nil	Nil	N/A
5	First Aid case	Nil	Nil	N/A
	Medical Treatment Case	Nil	Nil	N/A
6	Environmental Incident	Nil	Nil	N/A
7	Work disruption by on-site community staff	Nil	Nil	N/A
8	Work disruption by off-site community intruders	Nil	Nil	N/A
9	Work disruption due to breakdown of work equipment such as excavator, tiller, or bulldozer.	Nil	Nil	N/A
10	Lost hours due to equipment breakdown	Nil	Nil	N/A
11	Waste management practices on site - housekeeping issues	Nil	Nil	N/A
12	Property/equipment damage	Nil	Nil	N/A
13	Fire incident	Nil	Nil	N/A
14	Monthly HSE meeting (s)	Nil	Nil	N/A
15	HSE training	Nil	Nil	N/A
16	No. of drills	Nil	Nil	N/A
17	Fatality	Nil	Nil	N/A

## 4.0 ASSESSMENT SAMPLING DATA

### 4.1: General Boreholes Information

ITEM	QUANTITY	ITEM	QUANTITY
No. of Borehole Installed	9	Total No. of Soil Samples Collected	54 (45 Organic, 9 Inorganic)
No. of Auger holes Drilled	6	Total No. of Groundwater samples collected	In progress

### 4.2: Boreholes Sampling Information

S/N	Borehole Point ID	GPS Coordinates		Maximum Depth (mbgs)	Soil Sampling Intervals (mbgs)	Predominant Soil Lithology	No of soil samples collected per hole	Depth range of observed Impact (mbgs)	Predominant physical observation		Depth to Ground-water (mbgs)	Observed Impact on Ground-water (Y/N)
		Easting	Northing						Odour	Sheen		
1	KWA2-SC-BH1	331698	509478	10	0.0-0.5	Dark Brown, Silty Clay	5	0.5-4.0	M	M	7.0	Ytd
2	KWA2-SC-BH9	331836	509537	10	0.0-0.5	Light brown, silty clay and grayish brown	5	0.0-4.0	L	S	8.5	Ytd
3	KWA2-SC-BH7	331760	509516	10	0.0-0.5	Dark brown, silty sand, reddish gray and sand clay	5	0.5-7.0	M	S	9.0	Ytd
4	KWA2-SC-BH2	331653	509532	10	0.0-0.5	Light brown, silty clay, reddish gray and sandy clay	5	0.0-4.0	M	M	7.0	Ytd
5	KWA2-SC-BH3	331668	509554	10	0.0-0.5	Light brown, silty clay, and light gray	5	0.0-0.5	L	S	9.0	Ytd
6	KWA2-SC-BH8	331843	509522	10	0.0-0.5	Light brown, silty clay, brownish	5	1.0-4.0	L	S	7.0	Ytd

						gray, grayish red and yellow						
7	KWA2-SC-BH6	331766	509590	10	0.0-0.5	Yellowish brown, sandy clay, dark brown, sandy silt	5	0.5-4.0	L	M	8.0	Ytd
8	KWA2-SC-BH5	331847	509562	10	0.0-0.5	Dark brown, silty sand, gray brown, and sandy clay	5	0.5-7.0	M	S	9.0	Ytd
9	KWA2-SC-BH10	331799	509547	10	0.0-0.5	Yellowish brown, silty clay, gray silty, dark gray and yellowish silty sand	8	1.0-5.0	M	H	8.0	Ytd
10												
11												

#### 4.3: Auger holes Sampling Information

S/N	Auger hole Point ID	GPS Coordinates		Maximum Depth (mbgs)	Soil Sampling Intervals (mbgs)	Predominant Soil Lithology	No of soil samples collected per hole	Depth range of observed Impact (mbgs)	Predominant physical observation	
		Easting	Northing						Odour	Sheen
1	Kwa2-sc-ss2	331727	509500	5.0	0.0-0.5	Dark brown, silty clay, light yellow brown sandy clay, and yellow red sandy silty	3	0.5-5.0	M	S
2	Kwa2-sc-ss3	331800	509500	5.0	0.0-0.5	Dark brown, silty clay, light yellow brown sandy clay, and yellow red sandy silty	3	0.5-5.0	H	L
3	Kwa2-sc-ss4	331789	509524	5.0	0.0-0.5	Light brown sandy clay, yellowish brown	3	0.5-5.0	H	R



## 5.0 GENERAL ADDITIONAL COMMENTS / OBSERVATIONS

1. Prior to mobilization, office area clearing was carried out
2. Office set up still ongoing
3. Hand auger Sample collection
4. Identification of sampling hand auger & borehole points
5. Construction of security post, sewage system and water borehole within the week
6. There are presence of carbonized materials around boreholes 5, 8, 10

## 6.0 SUPPORTING DOCUMENTS

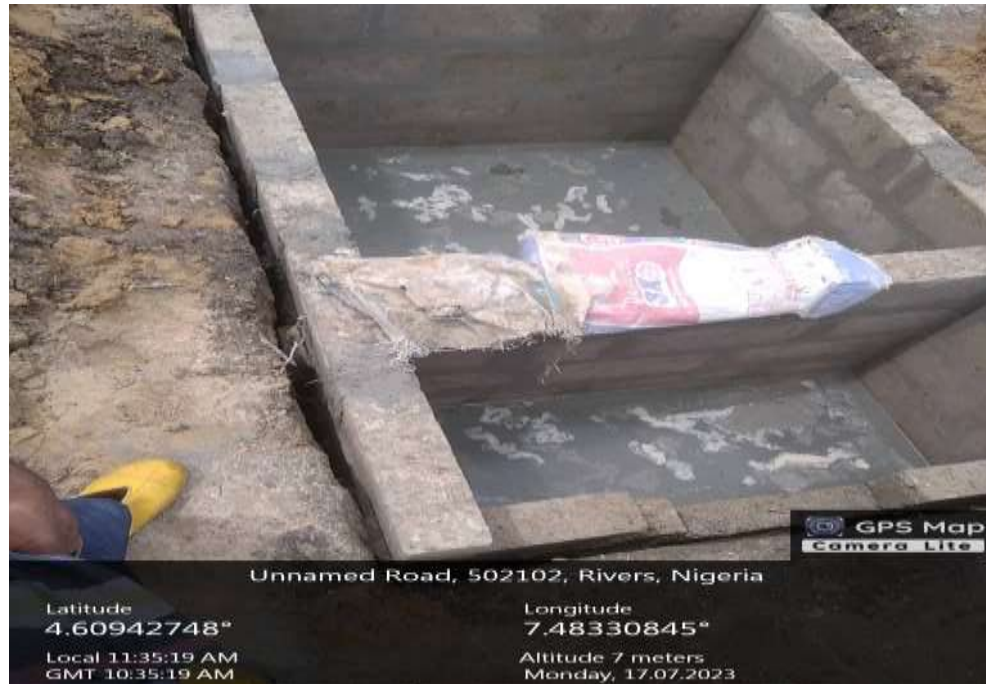
\* Site Photos

A handwritten signature in blue ink, appearing to read "Barima Justice".

Contractor's Project Manager: BARIMA JUSTICE

Date: 24/07/2023

## SITE PHOTOS



**Plate 1: Sewage Pit**



**Plate 2: Domestic Borehole**





**Plate 3: Borehole Drilling**



**Plate 4: Borehole Drilling**



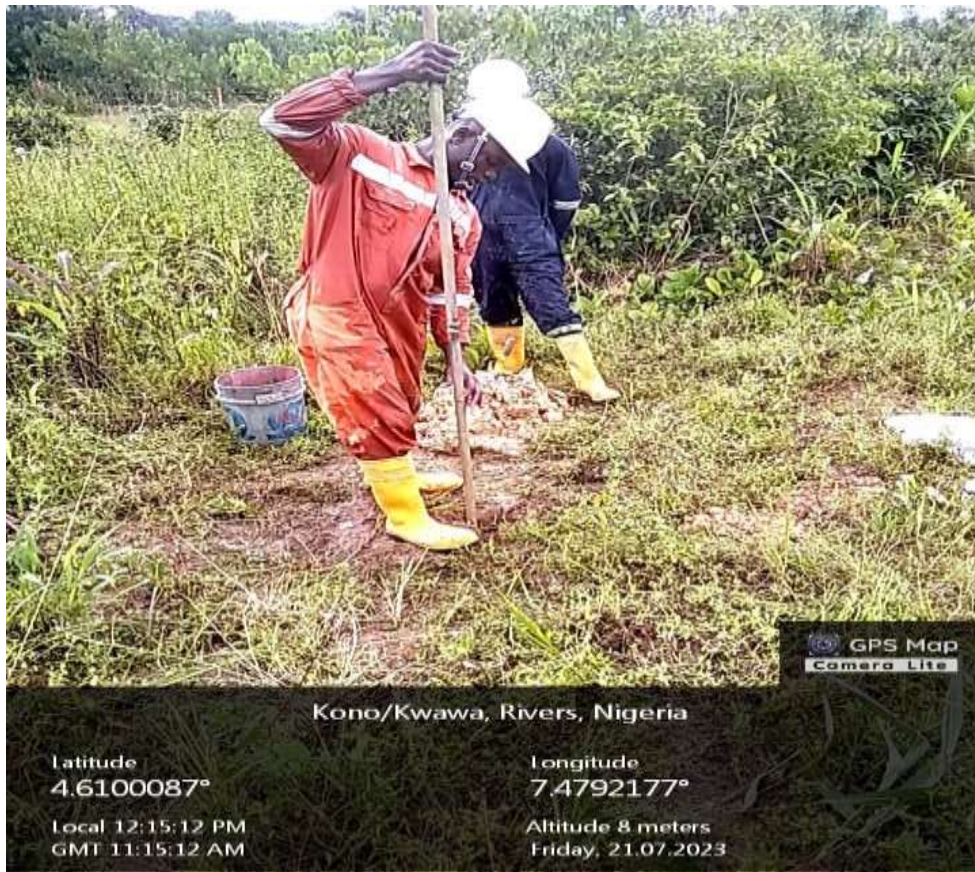


**Plate 5: Drilling Rig**



**Plate 6: Establishing Control Stations**





**Plate 7: Hand Auger Drilling**



**Plate 8: Auger Drilling**





**Plate 9: Construction of Security Post**



**Plate 10: Toolbox Briefing**