

### 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: 23 Date:10/01/2024 to 12/01/2024

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): 5Months/4 Day

#### 1.0 SITE INFORMATION

| LOT NUMBE   | R SMR LOT 36                             | CONTRACTO                           | DR: PHILCOM INTEGRATED LIMI | TED  |                     |          |                       |
|---|--|-------------------------------------|-----------------------------|--|---------------------|----------|-----------------------|
| SITE NAME (Name/Community) F/S FLARE SITE AREA 2 - KWAWA COMMUNITY UNEP Code: |  |                                     |                             |  |                     |          |                       |
| L. G. A   | KHANA                                    | SIT                                 | E REFERENCE GPS COORDINATES | (UTM, WGS84                                  | , ZONE 32N)         | E:331632 | N: 509504             |
| Area (m²) of impacted soil: in the Bill                                       |  | Max depth of Impact (m) in the Bill |                             | Volume (m <sup>3</sup> ) of S                | Soil in the Bill    |          |                       |
| of Quantities   | of Quantities (BoQ) 18,800M <sup>2</sup> |                                     | of Quantities (BoQ)         | 6.0m   | of Quantities (BoQ) |          | 112,800m <sup>3</sup> |
| Maximum initial Groundwater TPH (μg/l) in the Bill of                         |  |                                     | f                           | Maximum initial Soil TPH (mg/kg) in the Bill |                     |          |                       |
| Quantities (BoQ)  |  |                                     | 77,000ug/l                  | of Quantities (BoQ)                          |                     |          | 3,800mg/kg            |

## 2.0 SITE INFRASTRUCTURE

| S/No | Site Infrastructures | Quantity | Size {(L×B×H) =m <sup>2</sup> /m <sup>3</sup> } -as applicable | Percentage     | GPS Coordinates<br>(UTM, WGS84, Zone 32N) |          | Remarks / Working Condition |
|------|----------------------|----------|--|----------------|---|----------|-----------------------------|
|      |                      |          |  | Completion (%) | Easting                                   | Northing |                             |
| 1    | Site Offices         | 1        | 27m×25m×3m   | 100%           | 331728                                    | 509657   | Completed                   |
| 2    | Sewage pit           | 1        | 2.4m×1.2m×0.5m   | 100%           | 331761                                    | 509670   | Completed                   |
| 3    | Decontamination area | 1        | 2.4m×1.2m×1.3m   | 100%           | 331777                                    | 509652   | Completed                   |
| 4    | Engineered Biocell   | 1        | 50m×50m×1.5m   | 100%           | 331743                                    | 509422   | Completed                   |
| 5    | Leachate sump        | 1        | 4mx2mx1.5m   | 100%           | 331744                                    | 509407   | Completed                   |
| 6    | Security Post        | 1        | 3mx2mx2.7m   | 100%           | 331728                                    | 509657   | Completed                   |
| 7    | Borehole/Stand       | 1        | 0.6m×0.6m×15m  | 100%           | 331728                                    | 509657   | Completed                   |
| 8    | Workers Sit Out      | 1        | 4.9m×4.9m×3.5m   | 100%           | 331755                                    | 509652   | Completed                   |
| 9    | Security Lights      | 5        | 0.1m×0.1m×5m   | 100%           |   |          | Completed                   |
| 10   | Liquid Waste Point   | 1        | 3.7m×1.2m×0.3m   | 100%           | 331763                                    | 509643   | Completed                   |



## 3.0: WEEKLY PROJECT HSE REPORT

**PTW NO: 23** 

3.1: BACKGROUND INFORMATION

| Date: 10/01/2024                               | Week No: Week 23   |
|--|--|
| Lot: SMR LOT 36                                | LGA: Khana Local Government Area   |
| Site Name: F/S Flare Stack Area 2 Kwawa        | Contractor Name: Philcom Integrated Limited                                  |
| Type of Activity: Remediation of Impacted Soil | Work Description: Plastering and flooring of the sump, general housekeeping. |
| Week Start Date: 08/01/2024                    | Week Ending Date: 12/01/2024   |
| Report By: Darlington John                     | Position/Signature: HSE Officer  |

#### 3.2: HSE STATISTICS

| 5/N                   | TITTLE                          | MON | TUES | WED | THURS | FRI | SAT | WEEKLY<br>CUMULAT | CUMULATIVE<br>(YR TO DATE) |
|-----------------------|---------------------------------|-----|------|-----|-------|-----|-----|-------------------|----------------------------|
| 1.                    | Personnel on-site /POB          | -   | -    | 42  | 42    | 42  | -   | 126               | 4,493                      |
| 2.                    | No. of days on site             | -   | -    | 112 | 113   | 114 | -   | 3                 | 114                        |
| 3.                    | Man Hour                        | -   | -    | 336 | 336   | 336 | -   | 1008              | 40368                      |
| 4.                    | Toolbox Meeting                 | -   | -    | 1   | 1     | 1   | -   | 3                 | 114                        |
| 5.                    | Unsafe Act/ Unsafe<br>Condition | -   | -    | 1/0 | 2/1   | 2/0 | -   | 5/1               | 80/16                      |
| 6.                    | Near miss                       | -   | -    | Nil | Nil   | Nil | -   | Nil               | 12                         |
| 7.                    | First Aid Case (FAC)            | -   | -    | Nil | Nil   | Nil | -   | Nil               | 1                          |
| 8.                    | Loss Time Injury (LTI)          | -   | -    | Nil | Nil   | Nil | -   | Nil               | 1                          |
| 9.                    | Medical Treatment Case (MTC)    | -   | -    | Nil | Nil   | Nil | -   | Nil               | 1                          |
| 10.                   | Environmental Incident          | -   | -    | Nil | Nil   | Nil | -   | Nil               | Nil                        |
| 11.                   | Property/Equip Damage           | -   | -    | Nil | Nil   | Nil | -   | Nil               | Nil                        |
| 12.                   | Fire Incident                   | -   | -    | Nil | Nil   | Nil | -   | Nil               | Nil                        |
| 13.                   | Monthly HSE Meeting             | -   | -    | Nil | Nil   | Nil | -   | Nil               | 4                          |
| 14.                   | HSE Training                    | -   | -    | Nil | Nil   | Nil | -   | Nil               | 1                          |
| 15.                   | Drills                          | -   | -    | Nil | Nil   | Nil | -   | Nil               | Nil                        |
| 16.                   | Fatality (FAT)                  | -   | -    | Nil | Nil   | Nil | -   | Nil               | Nil                        |
| Othe                  | r HSE Activities                | -   | -    |     |       |     | -   | Nil               | Nil                        |
| HSE Inspections/Audit |                                 | -   | -    | Nil | Nil   | Nil | -   | Nil               | 1                          |

**LOOK AHEAD** (HSE Plan for the next week) Toolbox meeting, workers health check, general tools maintenance check and General housekeeping.

# OBSERVED UNSAFE ACT(UA)/ UNSAFE CONDITION (UC)

| S/N | UNSAFE ACT       | STATUS    | UNSAFE CONDITION | STATUS    |
|-----|------------------|-----------|------------------|-----------|
| 1   | Lateness to work | Close out | Whirled wind     | Close out |
| 2   | Non usage of PPE |           |                  |           |
| 3   | Horseplay        |           |                  |           |
|     |                  |           |                  |           |



# 4.0 ASSESSMENT SAMPLING DATA

## 4.1: General Boreholes Information

| ITEM                          | QUANTITY | ITEM                                       | QUANTITY   |
|-------------------------------|----------|--|--|
| No. of Borehole Installed     | 10       | Total No. of Soil Samples Collected        | 90 (80 Organic (30 Speciated and 50 Non-Speciated), 10 Inorganic |
| No. of Auger holes<br>Drilled | 10       | Total No. of Groundwater samples collected | 20   |

# 4.2: Boreholes Sampling Information

| 5/N | Borehole Point ID | GPS Cod | ordinates | Maximum<br>Depth<br>(mbgs) | Soil Sampling<br>Intervals<br>(mbgs) | Predominant Soil<br>Lithology | No of<br>soil<br>samples | Depth range of observed | phy   | minant<br>sical<br>vation | Depth<br>to<br>Ground- | Observed<br>Impact on<br>Ground- |
|-----|-------------------|---------|-----------|----------------------------|--------------------------------------|-------------------------------|--------------------------|-------------------------|-------|---------------------------|------------------------|----------------------------------|
|     |                   | Easting | Northing  |                            |                                      |                               | collected<br>per hole    | Impact<br>(mbgs)        | Odour | Sheen                     | water<br>(mbgs)        | water<br>(Y/N)                   |
| 1   |                   |         |           |                            |                                      |                               |                          |                         |       |                           |                        |                                  |
| 2   |                   |         |           |                            |                                      |                               |                          |                         |       |                           |                        |                                  |
| 3   |                   |         |           |                            |                                      |                               |                          |                         |       |                           |                        |                                  |
| 4   |                   |         |           |                            |                                      |                               |                          |                         |       |                           |                        |                                  |
| 5   |                   |         |           |                            |                                      |                               |                          |                         |       |                           |                        |                                  |
| 6   |                   |         |           |                            |                                      |                               |                          |                         |       |                           |                        |                                  |
| 7   |                   |         |           |                            |                                      |                               |                          |                         |       |                           |                        |                                  |
| 8   |                   |         |           |                            |                                      |                               |                          |                         |       |                           |                        |                                  |
| 9   |                   |         |           |                            |                                      |                               |                          |                         |       |                           |                        |                                  |
| 10  |                   |         |           |                            |                                      |                               |                          |                         |       |                           |                        |                                  |
| 11  |                   |         |           |                            |                                      |                               |                          |                         |       |                           |                        |                                  |



# 4.3: Auger holes Sampling Information

| S/N | Auger hole Point<br>ID |         |          |  |  |  |          |        |       | GPS Coordinates |  | Maximum<br>Depth<br>(mbgs) | Soil Sampling Intervals (mbgs) | Predominant Soil<br>Lithology | No of soil samples collected | Depth range<br>of observed<br>Impact | Predominant<br>physical<br>observation |  |
|-----|------------------------|---------|----------|--|--|--|----------|--------|-------|-----------------|--|----------------------------|--------------------------------|-------------------------------|------------------------------|--------------------------------------|--|--|
|     |                        | Easting | Northing |  |  |  | per hole | (mbgs) | Odour | Sheen           |  |                            |                                |                               |                              |                                      |  |  |
| 1   |                        |         |          |  |  |  |          |        |       |                 |  |                            |                                |                               |                              |                                      |  |  |
| 2   |                        |         |          |  |  |  |          |        |       |                 |  |                            |                                |                               |                              |                                      |  |  |
| 3   |                        |         |          |  |  |  |          |        |       |                 |  |                            |                                |                               |                              |                                      |  |  |
| 4   |                        |         |          |  |  |  |          |        |       |                 |  |                            |                                |                               |                              |                                      |  |  |
| 5   |                        |         |          |  |  |  |          |        |       |                 |  |                            |                                |                               |                              |                                      |  |  |
| 6   |                        |         |          |  |  |  |          |        |       |                 |  |                            |                                |                               |                              |                                      |  |  |
| 7   |                        |         |          |  |  |  |          |        |       |                 |  |                            |                                |                               |                              |                                      |  |  |
| 8   |                        |         |          |  |  |  |          |        |       |                 |  |                            |                                |                               |                              |                                      |  |  |
| 9   |                        |         |          |  |  |  |          |        |       |                 |  |                            |                                |                               |                              |                                      |  |  |
| 10  |                        |         |          |  |  |  |          |        |       |                 |  |                            |                                |                               |                              |                                      |  |  |
| 11  |                        |         |          |  |  |  |          |        |       |                 |  |                            |                                |                               |                              |                                      |  |  |
| 12  |                        |         |          |  |  |  |          |        |       |                 |  |                            |                                |                               |                              |                                      |  |  |
| 13  |                        |         |          |  |  |  |          |        |       |                 |  |                            |                                |                               |                              |                                      |  |  |
| 14  |                        |         |          |  |  |  |          |        |       |                 |  |                            |                                |                               |                              |                                      |  |  |
| 15  |                        |         |          |  |  |  |          |        |       |                 |  |                            |                                |                               |                              |                                      |  |  |
| 16  |                        |         |          |  |  |  |          |        |       |                 |  |                            |                                |                               |                              |                                      |  |  |



# CHRONOLOGY OF ACTIVITIES

| S/NO     | DATE                         | ACTIVITIES OF THE DAY   | REMARK               |
|----------|------------------------------|---|----------------------|
| 1        | WEDNESDAY                    | <ol> <li>Toolbox meeting</li> <li>Cleaning/sanitation of the office area</li> <li>General Housekeeping</li> </ol> | find attached photos |
| <u>2</u> | THURSDAY  11th January, 2024 | <ol> <li>Toolbox meeting</li> <li>Plastering and flooring of sump</li> <li>General Housekeeping</li> </ol>        | find attached photos |
|          | FRIDAY                       | <ol> <li>Toolbox meeting</li> <li>General Housekeeping</li> </ol>   | find attached photos |
| 5        | 12th January, 2023           |   |                      |

Mr. Justice Barima Project Manager



#### SITE PHOTOS

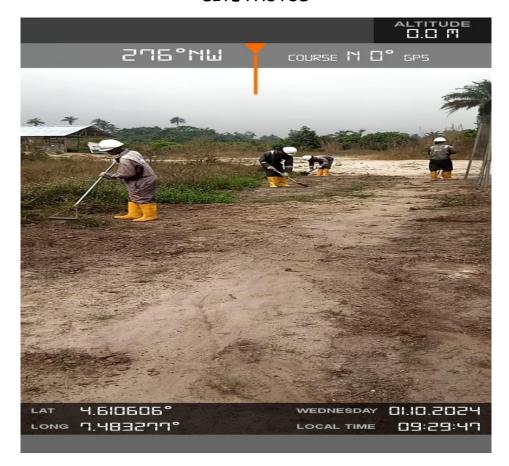


Plate 1: Cleaning and sanitation of the office area



Plate 2: Excavation round the sump for plastering





Plate 3: Plastering inside the sump



Plate 4: Flooring of the sump





Plate 5: Sump after week activity



Plate 6: Gee Pee tank going into the sump