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NATIONAL OIL SPILL DETECTION AND RESPONSE AGENCY
JOINT INVESTIGATION VISIT (JIV) FORM

Note: This JIV Form is to be completed and signed by all participating parties in the field

1. **Company:** ...Heritage Energy Operational Services Co.
2. **Type of Complaint/Incident:**
   ☐Oil Pollution ☐Fire/Explosion ☐Drilling Mud/Chemical Pollution
   ☑Others (Specify).....Asset Damage.....
3. **Incident Details**
   i. Date of Incident: 20./..03.../19.. ii. Date first reported:.20./.03./19.....
   iii. Date of first investigation:.21./.03./19...iv. Spill Incident No::.HEOSL/209/086
   v. Date of follow-up investigation:.....22./.03...../19.....
   vi. Time investigation started:.....10:00am.....
   vii. Estimated quantity spilled(bbls):....N/A.... viii. Quantity Recovered:...N/A.....
4. **Site Details**
   i. Site/Location:...28" Trans Forcados Pipeline At Otechie
   ii. State:....Delta..... iii. L.G.A:...Warri South.....
   iv. Spill Co-Ordinates: N(m)....N 05° 34' 9.44"
   E(m).....E 005° 37' 43.45"
   v. **Spill area**
   ☐Land ☑Swamp ☐Freshwater ☐Mangrove ☐Coastline
   ☐Near shore ☐Offshore ☐Others (specify).....
   iv. **Structural Controls in Place**
   ☐Boom ☐Trenches ☐Bund wall ☐Sorbents ☐Others (specify).....None.....

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5. **Circumstances Around Spill Point**
   i. **Visual observation of Hole Position**
   ☑ 12 O' Clock ☐ 10 O' Clock ☐ 2 O' Clock ☐ 3 O' Clock
   ☐ 4 O' Clock ☐ 5 O' Clock ☐ 6 O' Clock
   ii. **Type of Oil contaminant**
   ☐Crude Oil ☐Condensate ☐Chemicals ☐Refined Products
   ☑Others (specify) .....
   iii. **Facility**
   ☑Pipeline ☐Flow line ☐Wellhead ☐Manifold ☐Flow Station ☐Rig
   ☐Storage Tank ☐Compressor Plant ☐Others (specify).....
   iv. **Cause of Spill**
   ☐Corrosion ☐Equipment Failure ☑Third Party Interference ☐Accident
   ☐Operational Error ☐Others (specify).....
   v. **Visible Sign of Third Party Interference**
   ☐Hacksaw Marks ☐Drilled Holes ☐Blasting ☐Theft ☐Acid
   ☐Others (specify).....4" Valve illegal installed on the facility

6. **Impact of Incident**

i **Properties impacted by the incident**

☐Farmland ☐Fish Pond ☐Vegetation ☐Fishing Net ☐Surface water

☐Venerable Objects ☐Others (specify)..... N/A .....

ii. **Nature of impact**

☐Oil stained vegetation ☐Oil stained fishing nets ☐Dead floating fishes

☐Dead floating crabs ☐Withering of vegetation ☐Others..... N/A .....

iii. **Delineation of impacted area**

☐Within Company's facility/ROW ☐Outside Company's facility/ROW

7. **Type of properties/ structures, if any, found outside the right-of-way**

☐ Crops ☐ Fish Farm/ Pond ☐ Fishing Net ☐ Makeshift

☐ Permanent ☐ Others .....

8. **Extent of Impact**

a) **Community** (*indicate name*)

i. .....

ii. .....

iii. .....

iv. .....

b) Land (*indicate area in m^2*)

i. .....

ii. .....

iii. .....

iv. .....

b) **Creeks/Creek lets** ☐Tidal ☐Non-tidal

NAME	DIRECTION OF SLICK	LENGTH OF SLICK	WIDTH OF SLICK

c) **Swamp** ☐Tidal ☐Non-tidal

NAME	DIRECTION OF SLICK	LENGTH OF SLICK	WIDTH OF SLICK

d) **River** ☐Tidal ☐Non-tidal

NAME	DIRECTION OF SLICK	LENGTH OF SLICK	WIDTH OF SLICK

e) **Shoreline/water**

NAME	DIRECTION OF SLICK	LENGTH OF SLICK	WIDTH OF SLICK

9. **Photograph/Map/Chart Ref.**

☑ Still photographs ☐ Video coverage ☐ Mapping

10. **Samples taken** None

11. **Investigation carried out by**

☐ Foot ☑ Boat ☐ Aircraft

12. **Remarks/Recommendation** (i) Immediate repair of the facility

(ii) Intensify surveillance on the facility

13. **Time investigation ended** 5:00pm

14. **Name and Signature of Participants**

[illegible]