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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: SHELL PETROLEUM DEVELOPMENT COMPANY (SPDC)

2. Type of Complaint/Incident:

☒ Oil Pollution ☒ Fire/Explosion ☒ Drilling Mud/Chemical Pollution

☒ Others (Specify).....

3. Incident Details

i. Date of Incident: 14 / 02 / 2018 ii. Date first reported: 01 / 03 / 2018

iii. Date of first investigation: 02 / 03 / 18 iv. Spill Incident No: 2017576

v. Date of follow-up investigation: NIL

vi. Time investigation started: 11:26 HRS

vii. Estimated quantity spilled(bbls): 470 BBLS viii. Quantity Recovered: NIL

4. Site Details

i. Site/Location: 12" ADIBAWA - OKOROA PIPELINE @ IKARAMA

ii. State: BAYELSA iii. L.G.A: YENAGOA

iv. Spill Co-Ordinates: N(m) (5.175242) 5°10'30.9"
E(m) (6.468523) 6°28'06.7"

v. Spill area

☒ Land ☒ Swamp ☒ Freshwater ☒ Mangrove ☒ Coastline

☒ Near shore ☒ Offshore ☒ Others (specify) SEASONAL SWAMP

iv. Structural Controls in Place

☒ Boom ☒ Trenches ☒ Bund wall ☒ Sorbents ☒ Others (specify) NONE (AS TIME OF JIV.)

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).....

6. Impact of Incident

i Properties impacted by the incident

- ☒ Farmland ☒ Fish Pond ☒ Vegetation ☒ Fishing Net ☒ Surface water
☒ Venerable Objects ☒ Others (specify)..... Lake

ii. Nature of impact

- ☒ Oil stained vegetation ☒ Oil stained fishing nets ☒ Dead floating fishes
☒ Dead floating crabs ☒ Withering of vegetation ☒ Others.....

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 m²)

- 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

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10. Samples taken..... NONE

11. Investigation carried out by

☒ Foot

☒ Boat

☒ Aircraft

12. Remarks/Recommendation UNKNOWN PERSON(S) REMOVE THE CONCRETE COATING OF THE PIPELINE AROUND THE SPILL POINT AND USED HACKSAW TO CUT THE PIPE BETWEEN 11 AND 12 O'CLOCK POSITION.

13. Time investigation ended..... 16:57 hrs

14. Name of Investigator.....