INCIDENT NO: 1990255 JIV report S/N: 0988

(Note: As practicable as possible the JIT report is to be signed in the field by all the participating parties)

A. GENERAL INFORMATION:
. Spill incident Number: 1990 2 55 2. Type of incident* CTL SALL
Name of Location 16" EGBEMA - ASSA (TRYNKLINE) PIPELINE
Name of nearest community ASSA 5. State: MO 6. LGA OHAL EGBENA.
Type of Production facility/Installation OIL PIPELINE
Asset owner/District THE SHELL PETROLEUM DEVELOPMENT COMPANY NIGERIA LIMITED B. INCIDENT INFORMATION:
Details of incident  a. Date of incident: 22 <sup>ND</sup> DECEMBER, 2017  b. Start date/time of investigation: 19 <sup>TH</sup> JANUARY 2018  c. Investigation End date: 9 <sup>TH</sup> JAN, 2018 Actual investigation duration, days: CNE DAY  d. Description of spill point environment    Firm soil
e. Description of leak point (tick as applicable);  Drilled hole  Complete Rupture  Failed Weld-on illegal bot tap valve  Crude oil theft (illegal bunkering) point,  Third party tampering with valve setting  Flare System/Bund wall failure  Corrosion  Corrosion  Thack saw cut  Tear (
f. Incident caused by:  ☐ Third party interference (Sabotage□; crude theft□; Line theft□; Accidental 3 <sup>rd</sup> party damage□)  ☐ Operational ☐ Mystery spills ☐ Others(specify)

<sup>\*</sup>This can be: a) Oil Spill b) Drilling fluid/Chemical c) Siltation d) construction e) Encroachment f) Fire,

h. Measuring unit  Northing:		=T POIN.		<u> </u>
Two tuning.			Easting:	[
5 38	2382.		6.795256.	
RISK ASSESSMEN				
10. Type of environm				
Land	□Swamp	□Water	Seasonal swamp Shor	reline/Waterfront
i. Type of	environment to v	vhich oil has spread		
Land	Swamp	□Water	River (identify)	
ii. Weather	condition			
□Rain	Sunny	□Dry □Wet		cool
11. Distance from the	nearest sensitive	habitat		
☐ Government☐ Drinking was☐ Built up area☐ Farmlands☐ Fish Farm/p☐ Fishing net☐ Others (spec	ter source ond	gnated protected are	a [ NL ,m] [ NL ,m] [ NL ,m] [ 5 ,m] [ NL ,m] [ NL ,m] [ NLL ,m]	
12. Containment mea	sures put in place	•	•	•
Booms	□1	rench Dyke	□Natural depression □1	Pit □None
Others:	· .			
13. Any pictures or vi	ideo coverage?		[N] <b>\</b> {Y]	
14. Further response/	repair initiated as	at the time of JIV?	[Y] / [N]	
yes to item 14. give brief			2 WORK BY CLA	

D. TYPE/NUMBERS OF PROPERTIES, IF ANY, FOUND WITHIN THE AREA OF SPREAD OF OIL  16. Structures / Properties  S/N Type of Structures Description Size Number Comments  17. Crops/Economic Trees  S/N Type of crops Young Medium Matured Quantity Comments
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COV. TO A
CAY TO A
S/N Type of crops Young Medium Matured Quantity Comments
<del>                                      </del>
18. Fishing Nets/Fish Ponds
S/N Nets/Ponds Description Quantity/Size Comments
NONE WITHIN AREA OF IMPACT
19. Others (Specify) i.e. Animal Traps
S/N Others Description Quantity/Size Comments
NONE MITHIN AREA OF IMPACT
E. GRAPHIC DESCRIPTION OF LEAK POINT (While detail report of the leak point should be contained in the leak report, overview sketch of the site should be added as an appendix I)
the leak report, overview sketch of the site should be added as an appendix I)  TNAL VIEW OF 16" EGBEMA - ASSA (TRUNKLINE) PIPELINE A
ASSA, SHOWING: - FAILED (212) BAILVAINE ILLEGALLY INSTAILED AT 12'0' CLOCK POSITION
THE THIES AT IN O CLOCK TOST TOST
DOS PAILES
EXTENSION BALL VALUE INSTALLED AT
12'0' Clock Position.
16"
EGBEMA - ASSA PIPELINE Page 3 of 8

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#### F: TABLE SHOWING SOME OF COORDINATES TAKEN DURING JIV FOR AREA CALCULATION

20. Impacted area boundary Coordinates (If more, Print and attach as an appendix)

S/N	Northing	Easting
1	5 395358	
01.	5.382213	6 795 358
02	5,382365	6 795202
035	5.382177	6.795272
04	5 382404	6 795 291
<u> </u>		
	<u> </u>	
-		
		<u> </u>
-		-

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G. INCIDENT INFORMATION:	
a. Impacted Area Details	
Total calculated area of impact 0 · 02 Ha	
Impact within R.O.W  Impact outside R.O.W  NO  Impact outside R.O.W  Impact outside R.O.W  Impact outside R.O.W	
b. Volume of oil recovered before completion of JIV (V <sub>ree.j</sub> ):	
Recovered oil V <sub>recJ</sub> :	Barrels
Controlled recovery/evacuation from source with no impact to environment:  Barrels  Barrels	
c. Net Estimated Spilled VolumeV <sub>Est</sub> (bbls)* =	
5 81 BARRELS	
Estimated Reported Volume** V <sub>ren</sub> (bbls)= 6 BARCLS	
Notes:  Volume estimation was done using an excel based tool.(see attached for details on the calculation)  Reported spilled volume is an estimate	
Write other relevant notes taken into consideration for estimating the spilled in the box below:	(T
Calculation of the respective estimated volume is to be done on site as far as practicable using the new spill volume estimatio Conversion of m' to barrels is Volume:(m3) x 6.29: **Round up estimated volume to next whole number using the following • Any spill volume in excess of I bbl is rounded up to the next whole number:	n software on site: rules:
<ul> <li>Any spill volume in less than I bbl is rounded up to the next 0.1 bbl.</li> </ul>	
Examples: Calculated volume = 15.3 bbl Reported volume = 16 bbl  Calculated volume = 0.35 bbl Reported volume = 0.4 bbl  Calculated volume = 0.01 bbl Reported volume = 0.1 bbl	
Wherever this estimation tool is not applicable please refer to paragraph 6e (Deviations) of the JIV procedure to use of paper and attach to the JIV report,	appropriate steps for

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d. General Status of the site
i. Joint investigation of the incident site found that there is no residual impact after the initial response and JIT therefore recommend that the site be closed out
ii. Investigation of the incident site showed that there is residual impact on site requiring further works
e. Representatives
This report was filled, agreed and signed by the following joint investigation team representatives:
Host Community:
Department of Petroleum Resuurces [DPR]:
<ul> <li>National Oil Spill Detection and Response Agency [NOSDRA]:</li> </ul>
State Ministry of Environment [SME]:
Asset Owner:
Signatories agree with reported findings:
<ul> <li>Separate DPR form has been filled out with same findings □</li> </ul>
Tick as applicable

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f. Appendix 1: Overview sketch of the site

