INCIDENT NO: 1519547 JIV report S/N:

Nº 0000107

(Note: As practicable as possible the JIT report is to be signed in the field by all the participating parties) A. GENERAL INFORMATION: 1. Spill incident Number: 1519547 2. Type of incident * OIL SPILL 3. Name of Location 16" EGBEMA - ASSA PIPELINE 4. Name of nearest community EKPEAGAH 5. State: RWERS 6. LGA ONELGA 7. Type of Production facility/Installation OIL PIPELIME 8. Asset owner/District ___ SPDC / PIPELINE. B. INCIDENT INFORMATION: 9. Details of incident Details of incident

a. Date of incident:

Wovember, 2015

b. Start date/time of investigation:

The November, 2015 / 11:034m. c. Investigation End date: 7th November, 20 Astual investigation duration, days: ONELL DAY. d. Description of spill point environment Loose soit Recently excavated area ☐Firm soil Exposed pipe surface ☐Under water ☐Swampy ☐ Well Platform (on Water □ DrillRig Additional observations around the spill point: AT SPILL POINT DURING THE SAND BAGS WERE OBSTRUED JUINT INVESTIGATION VISIT. e. Description of leak point (tick as applicable); ☐Drilled hole ☐ Hack saw cut Tear (Complete Rupture ☐ Inward dent, ☐ Well head tampering ☐ Failed Clamp, ☐ Missing Pipeline/Flowline Failed Weld-on illegal hot tap valve ☐ Third party tampering with Clamp ☐ Saver-pit over flow ***DCrude oil theft (illegal bunkering) point, Third party tampering with flange, ☐ Bulging Outward ☐ Third party tampering with valve setting Cold vent ☐ Surge vessel overflow, ☐Flare System/Bund wall failure Accidental 3rd party equipment impact ☐ Relief valve failure ☐ Valve Failure ☐Others(specify) f. Incident caused by:

Operational

Third party interference (Sabotage□;crude theft□; Line theft□; Accidental 3rd party damage□)

Others (including Mystery spills)

^{*}This can be: a) Oil Spill b) Drilling fluid/Chemical c) Siltation d) construction e) Encroachment f) Fire.

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			Easting:	
5.415	13		1.78111	-
7				<u> </u>
	$\overline{}$			\
		\	<u> </u>	
K ASSESSME				
Type of enviro	nment:			
Land	☐Swamp	□Water	Scasonal swamp	Shoretine/Waterfrom
i. Type	of environment to w	nich oil has spread:		
Land	□Swamp	□Water	☐River (identify	
ii. Weatl	ner condition			
		7- 17	G B	г.
□Rain	✓ Sunny I the nearest sensitive	□Dry □Wet	□Windy □Hot	□cool
☐ Drinking v	Pond WITHI	•	ĺm . ĺ	
Containment n	neasures put in place:			•
	ΠT	rench DDyke	☐Natural depression	☑Pit □None
Booms				
□Booms □Others:				
Others:	r video coverage?		[N]	
Others:	r video coverage?	at the time of IIV?		,

INCIDENT NO: 1519547 JIV report S/N: Nº 0000107 If yes to item 15 give brief description: D. TYPE/NUMBERS OF PROPERTIES, IF ANY, FOUND WITHIN THE AREA OF SPREAD OF OIL 16. Structures / Properties S/N Type of Structures Size Description Number Comments 17. Crops/Economic Trees S/N Type of crops Young Medium Matured Quantity Comments 18. Fishing Nets/Fish Ponds S/N Nets/Ponds Description Quantity/Size Comments 19. Others (Specify) i.e. Animal Traps S/N Others Quantity/Size Description Comments E. GRAPHIC DESCRIPTION OF LEAK POINT (while detail report of the leak point should be contained in SECTION OF 16" EGBENTA — ASSA PIPELIME SHOWING AT EXPERENT POINT LUCALLY FABRICATED EXISTING GLANIP.

EXISTINIS

CLAMP

2" NIPPLE WITH BALL

VALVE AS 12 & CLOCK

POSITION (LEAK POINT)

FROM GGBENTA TO ASSA.

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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.	5.42133	6.17872
5	5.4205	6.77914
8	5.41911	6.77975
10	5.41758	6.7833
12	5.41617	6.78094
14	5.41589	6.78106
15	5.41586	6.78114
16	5.41581	6.781/9
17	5.41578	6.78/1/
13	5.41586	6.78/06
1/	5.41617	678092
9	5.41758	6.78031
7	5.419 11	6.77972
6	5.42047	6.779//
3	5.42/11	6.77875
. 2	5.42133	6.77.869
<u> </u>		
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-		
		•

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G. INCIDENT INFORMATION:	
a. Impacted Area Details	
 Total calculated area of impact Impact within R.O.W Impact outside R.O.W 	
b. Volume of oil recovered before completion of JIV (V _{recJ}):	
Controlled recovery/evacuation from source with no impact to environment: MIL Barrels	
c. Net Estimated Spilled VolumeV _{Est} (bbls)* =	
9.82 BARRELS	
Estimated Reported Volume** Vrep(bbls)= D BARRELS	
*A	

*Notes:

Volume estimation was done using an excel based tool (see attached for details on the calculation)

Write other relevant notes taken into consideration for estimating the spilled in the box below:

We spilled volume is an estimate of the spilled in the box below:

Calculation of the respective estimated volume is to be done on site as far as practicable using the new spill volume estimation software on site; Conversion of m⁴ to barrels is Volume (m3) x 6.29; **Round up estimated volume to next whole number using the following rules;

Any spill volume in excess of -1 bbl - is rounded up to the next whole number.

Any spill volume in less than - 1 bbl - is rounded up to the next 0.1 bbl.

Examples: Calculated volume = 15.3 bbl ------- Reported volume = 16 bbl Calculated volume = 0.35 bbl ------ Reported volume = 0.4 bbl

Calculated volume = 0.35 km ------ Reported volume = 0.4 km Calculated volume = 0.01 bbl ------ Reported volume = 0.1 bbl

Wherever this estimation tool is not applicable please refer to paragraph 6c (Deviations) of the AV procedure to use appropriate steps for volume estimation, record the calculation in a plant sheet of paper and attach to the AV report.

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d.	General	Status	of	the	site
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i.	Joint investigation of the incident site found that there is no residual impact after the initial response an therefore recommend that the site be closed out	d JIT
ii.	Investigation of the incident site showed that there is residual impact on site requiring further works	i a

e. Representatives

This report was filled, agreed and signed by the following joint investigation team representatives:

- Host Community: 🗹
- Department of Petroleum Resources [DPR]: □
- National Oil Spill Detection and Response Agency [NOSDRA]:
- State Ministry of Environment [SME]:
- Asset Owner:□
- Signatories agree with reported findings
- Separate DPR form has been filled out with same findings□

Tick as applicable

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f. Appendix 1: Overview sketch of the site

