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REPORT OF JOINT INVESTIGATION VISIT BY NOSDRA, NAOC AND BAYELSA STATE MINISTRY OF ENVIRONMENT AT 10" CLOUGH CREEK/TEBIDABA PIPE LINE @ GBARUAN (29) NEAR APOI COMMUNITY IN SOUTHERN IJAW LGA OF BAYELSA STATE.

INTRODUCTION

Acting on your directives on NAOC request, later sent in on the 22nd of April 2015, a Joint Investigation Visit (JIV) was conducted at the 10" Clough Creek/Tebidaba Pipe Line at Gbaruan (29) near Apoi Community in Southern Ijaw Local Government Area of Bayelsa State on the 20th of April, 2015 at about 12:36Hrs. The investigation was completed successfully on the same day. This report provides details.

INCIDENT PARTICULARS:	2015/SAR/108/153
FACILITY AFFECTED:	10" CLOUGH CREEK/TEBIDABA PIPELINE @ GBARUAN (29) NEAR APOI COMMUNITY IN SILGA LGA OF BAYELSA STATE.
DATE OF SPILL:	20/04/2015
DATE OF INSPECTION:	20/04/2015
CAUSE OF SPILL:	Third Party Interference (3" Valve installed) (See Fig.1a & b)
QUANTITY OF CRUDE OIL SPILLED:	5.0 Barrels
QUANTITY OF CRUDE RECOVERED:	0.629 Barrels (100 Litres)
SPILL POINT COORDINATES:	N 04° 44' 59.0" E 005° 49' 21.1"
NATURE OF IMPACT:	Within ROW. Area heavily saturated with Oil (See Fig.2a & b)
INVESTIGATION TEAM:	
1. Koms Abam	NOSDRA
2. Shaka Ezekiel	NAOC (HSC)
3. Umoren I. Akpan	NAOC (CRV)
4. Anderson Ejike	NAOC (READ FOX SURVEYOR)
5. Ebidau Leigha	BAYELSA STATE MINISTRY OF ENVIRONMENT
6.	GBARUAN COMMUNITY
7.	GBARUAN COMMUNITY

OBSERVATIONS:

1. The Spill occurred within NAOC ROW and the adjoining Creek Water body (See Fig. 2b).
2. The impacted Area and the adjoining Environment was heavily saturated with Crude Oil (See Figs. 2a & b). This could be as a result of long term bunkering activity in this Area, since there was an installed 3" Valve and Nipple on the 10" Pipe Line to Tebidaba near Apoi.

AREA IMPATED Coordinates:	N 04° 44' 59.2"	E 005° 49' 20.0"
	N 04° 44' 58.6"	E 005° 49' 21.9"
	N 04° 44' 58.2"	E 005° 49' 21.7"
	N 04° 44' 59.1"	E 005° 49' 20.5"
	N 04° 44' 59.2"	E 005° 49' 20.6"

3. The Area is a Tidal Environment and investigation was carried out at Low Tide. Hence, it is obvious that most of the Crude Oil must have been washed away into the adjoining Creek.
4. The Vegetation is a mixed population of White and Red Mangrove (*Rhizophoraea* and *Avicinaea*), Raffia Palms, Oil Palms, Climbers and *Nymphaea* Palms (See Fig. 3a & b).
5. Wild life showed Reptiles, Birds and Aquatic Animals.
6. The Leak Point was at 12 O'clock Position showing clear evidence of third party interference – 3" Valve and Nipple installed on the 10" Pipe Line to Tebidaba (See Figs.1a & b)

ISSUES OF CONCERN - FEED BACK

1. NAOC does not still take the issue Crude Oil recovery seriously: - NOTE that five (5) barrels of Crude were estimated to have been spilled into the Environment BUT the recovery Team only came to Site with 100 Litres Jerri-can for recovery, the remaining Crude (over four barrels) that has been contained with booms on the water surface could not be recovered. Being a Tidal Environment, the Crude will be carried away by water at the end of the day (See Fig. 4a & 4B).
2. Old booms from previous spills were seen in the Environment: - This implies that NAOC waste disposal is not in accordance with Environmental Standards.
3. The Community was not represented during JIV. The reason was that, since it is bunkering point, the people know that they will have nothing to gain from the spill/investigation.

RECOMMENDATIONS

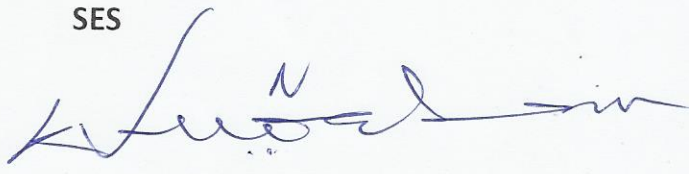
1. NAOC should take the issue of Oil Spill and its effect on the Environment seriously.
2. Clean-up of the impacted Site should be done quickly.

CONCLUSION

The JIV was successful. This report is subject to your steer and further directives.

Koms Abam

SES



DATE: 20th April, 2015

Seen
Mrs Igbuley
[Signature]