



UIO-G FLARING/GOR CONTROL WAIVER

Flare Request No.: FLRW140304 **Date:** Thursday, January 15, 2015
Category: Compressor-System Outage
Waiver Start Date: 26-11-2014 **Start Time:** 12:59-PM
Waiver End Date: 31-01-2015 **End Time:** 12:59-PM

Facility Name:	OKOLOMA NAG,
Flare (or AG) Volume (mmscfd):	6
Associated Oil Production (mbopd):	1
Reason for flaring (or HOGR production):	<p>The Okoloma Flash Gas Compressor (FGC) was shutdown on 22/11/14 due to defective stuffing box. The unit had been running with this problem, hence replacement spares were ordered on 16/05/14 with PO: 4510324625 issued to OEM vendor-GE with an initial delivery date of Oct 2014, which was revised to end month Nov 2014. Unfortunately GE has further revised the delivery date to end December 2014. This delay has seriously impacted on the functionality of the FGC. To safeguard the unit from total breakdown, it was manually shutdown on 22/11/14</p> <p>Non availability of the Flash Gas Compressor (FGC) will result in gas flaring of circa 6.0 MMscf/d as against the target of 0.648MMscf/d.</p>
Justification for waiver request:	<p>The waiver is to ensure continued supply of gas to key customers; Afam VI Power Plant (APP), Nigeria Gas company (NGC) and Rivers State Ministry of Power (RSMOP).</p> <p>APP generates 650MW of power daily which is about 16% of Nigeria's current output. Continued supply of gas (circa 100MMscfd) to sustain this power generation is important to her national economic interest.</p> <p>Gas supply to NGC is critical at this time in order to meet our GSA to our NGC customers, Okoloma gas plant shall be supplying gas in the absence of other AGG producers.</p>
Post event actions to remain compliant:	<p>Re-instatement of the FGC unit, production monitoring and optimization to ensure flaring remains within acceptable limit.</p> <p>Daily flare rate when the Flash Gas compressor is available is circa 0.35MMscfd which is within the limit of 0.648MMscfd.</p>

	Job Title	Name	Date		Comments
Originator: Asset/Project/Area Dev. Mgr	Asset Manager (Swamp East)	Izuogu , Chukwunweike	26-11-2014	Supported	<p>Kindly approve to assure continued operation of Okoloma Gas Plant in order to meet DOMGAS supply obligation. Okoloma gas plant is critical for the supply of NIPP Alaoji which is now scheduled to commence on 01Dec2014.</p> <p>Attached repair plan of the FGC by GE now has a revised LEC of 31Jan2015.</p>
Agreement: GM/Lead - (Asset/Project/Dev.)	GM Onshore Assets	Janzen , Jorgen	26-11-2014	Supported	
Supported (SCiN only): Manager, Flared Gas	Production Services Manager	Akosa , Obi	26-11-2014	Supported	



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GM Production	GM Production	Martin , David	11-12-2014	Approved	
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Approved by the GM, Production: Signature and Date:

Distribution List:

Gabon: Signatories + Asset Lead/Technical Manager/Operations Manager/Finance Manager/Head of Production Programming/Senior Production Programmers/Head of Planning & Economics/Head of HSE

Nigeria: Signatories + Operations Manager/Senior Operations Engineer/Senior Gas Accountant/Senior Programmer/Maintenance System Manager/Production Surveillance and Support Manager.