



Volume 10

Safety Bulletin

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OIL & GAS DEVELOPMENT COMPANY LIMITED

Tree Plantation Campaign at Pirkoh Field



OGDCL recognizes the importance of vegetation cover and strives hard not only to protect vegetation but to increase it. Tree Plantation at Pirkoh is a part of this campaign to mitigate the impacts of different processing

activities being carried out at Pirkoh Field. Tree Plantation is a permanent feature at OGDCL field locations organized with great zeal and zest.

KUNNAR LPG PLANT ATA-2018 HSE PERFORMANCE REPORT

Annual Turnarounds provide an essential opportunity for various maintenance issues to be resolved, internal inspection of equipment or even major system overhauls because they cannot be addressed while the plant is operational. Furthermore, the process serves to improve the efficiency of the plant and also enable workers to fix or prevent problems before they cause even more costly outages or accidents. Ideally a turnaround should result in the plant returning to peak performance levels when it comes back online and should allow it to function efficiently until the next shutdown.

Kunnar LPG Plant currently serving 03 wells and producing LPG, Condensate and Sales gas. ATA-2018 of Kunnar LPG Plant was planned from 06-12, March 2018. Last Annual Turn around (ATA) of the plant was performed in 2015. The scope of work encompassed a number of activities. The ATA-2018 commenced w.e.f 06-03-2018 and successfully accomplished on 12-03-2018 with desired out-puts. All set objectives achieved within prescribed timeframe with compliance of HSE policies and procedures.



HSE PLANNING AND MANAGEMENT:

HSEQ Section in consultation with the top management of Kunnar LPG Plant, took the following steps to ensure the compliance of HSE Protocols to protect Human lives, Assets and Environment damage throughout the ATA-2018.

- Roles and responsibilities were reviewed/refreshed to already developed teams i.e. Emergency Response Team (ERT), Rapid Response Team (consisted of process section personnel to immediately respond the situation) and Off-site Response Team (consisted of Production and securities personnel to provide logistics/support from off-site).
- Medical I/C and staff was communicated for swift provision of any kind of medical aid and laboratory personnel were designated as support first aider.
- Emergency Response Vehicle furnished with Emergency equipments/PPEs set as standby as and when required basis.
- Firefighting and control system and associated accessories were checked for fitness and ensured timely operation.
- Fire tender was set standby for any critical/hot job to swiftly combat and cope with the possible fire incident.
- Medical staff & Ambulance was set standby at Kunnar LPG Plant to swiftly respond the victims in case of any incident.
- Safety Toolbox Talk was planned and positively delivered to all ATA workforce prior to commencement of each shift.

Work Permit Issued during ATA-2018- 6th to 12th March 2018

WORK PERMIT ISSUED	6 th March	7 th March	8 th March	9 th March	10 th March	11 th March	12 th March	TOTAL
Cold Work Permit	-	14	18	14	13	13	-	72
Hot Work permit	-	01	01	01	-	01	01	05
Civil work	-	-	-	-	-	-	-	00
Work at Height/ Scaffolding	06	01	01	01	01	01	-	11
Electrical Work Permit	-	07	05	04	09	04	-	29
Vessel Entry	-	-	-	-	-	-	-	-
Radiography Test	-	-	-	-	-	-	-	-
Total Work Permit Issued								117

HSE PERFORMANCE

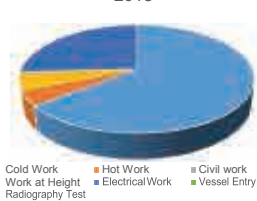
The overall ATA-2018 activities were performed in safe manner without compromising safety protocols due to the positive attitude of the all team leaders/contributors toward HSE. Aforementioned planning was executed with spirit till the completion of ATA-2018. Following safety statistics depict the trend of HSE Compliance level achieved.



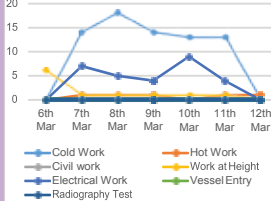
HSE Statistics During ATA-2018 (From 6th March 2018 to 12th March 2018)

Safe Man Hours		Unsafe Acts Reported	Unsafe Conditions Reported	Near Miss Reported		
OGDCL	Contractors			Minor	Medium	Major
3048	44556	11	06	00	00	00

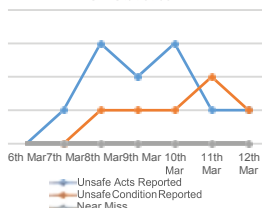
Work Permit Issued during ATA-2018



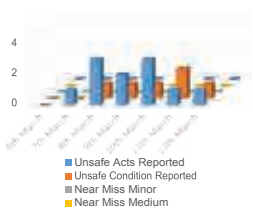
Work Permit Issued During ATA-2018



HSE Statistics



HSE Statistics



Cleaned Tube package

OGDCL Wins Best EHS Initiative /Climate Change Adaptation Award-2018

OGDCL wins "Best EHS Initiative/Climate Change Adaptation Award-2018" organized by Future Forum (pvt) Limited aimed to recognize, appreciate and promote the organizations who make outstanding contribution and take best initiatives towards HSE arrangements in well organized manner. The event succeeded to attract high official dignitaries from concerned government departments and a number of professionals from Oil & Gas, Energy, Pharmaceutical, Textile, IT sector and NGOs.

Future Forum is working towards improving the quality of life for people throughout Pakistan and promoting comprehensive new plan to end escalating climate change emergency, eradication of poverty, peace, capacity building of the civil society organizations, public health & hygiene, clean water, child education and bolstering, reinforcing and promoting Islamic Business and Economic System.



Bioremediation at Nashpa Plant

By placing care for the environment at the improvement in its environmental successfully treating 1411 tons of Oil diation treatment technique. The Compa-Processing and LPG Recovery Plant near Drilling Waste Management Contractor



Although the Oil Based Mud system has the wellbore stability problems, however being non-friendly interaction with committed that all OBM (Oil Based Mud) must have an Oil & Grease content of less keen on leaving behind a product that considered different available techniques safe for disposal to environment and selected Bioremediation as most feasible and economic solution keeping in view the quantum of cuttings, local environmental & geological conditions and legal requirements.

heart of its business, OGDCL made a significant Compliance performance during 2017-18 by Based Mud (OBM) Cuttings waste using Bio-remeny owns a Bio-remediation site at Nashpa Oil & Gas Nashpa Well No.4, operated by one of the leading M/S STEP Oil tools FZE-Pakistan Branch.

made the drilling possible, easier and controlled handling and disposal of OBM cuttings due to its environment added to OGDCL liability. OGDCL cuttings waste discharged into the environment than 3% to became it environment friendly also could be reintegrated into the environment. OGDCL for processing of the OBM cutting to make these

processing of the OBM cutting to make these

The major advantages that bio-remediation enjoys over other technologies are;

- Bioremediation can be conducted with minimum resources because the only real requirements are space (land) and time.
- Using Bio-Augmentation can quicken bio-Remediation process.
- Heavy metals present in the waste can also be disposed-off in an Environmentally safe manner by planting
- It is relatively cheap
- Usually takes moderate time
- The best option in terms of environmental friendliness, zero emissions and no harm to the flora and fauna.
- Safe for workers involved in the project.
- After detoxification of the oily waste compost can be used for soil amendment.



OBM cuttings from different wells i.e. Khanjar X-1, Kachakhel-1, Mela-5 and Nashpa-8 were treated in the facility and tests carried out to check the efficacy of the treatment. Tests were carried prior to, during and after completion of treatment process. Final tests revealed that Oil & Grease levels in the treated cuttings were brought down below 3% by weight whereas other parameters also conformed to the legal requirements. No accidents/incidents were reported and treatment process was executed in a safe and environment friendly manner.

کیا آپ جانتے ہیں!

کہ بدلتے ہوئے موسمی حالات خصوصاً موسم گرما میں اگر آپ گرمی کی حدت کے مطابق حفاظتی تدابیر اختیار کئے بغیر گرمی اور تیز دھوپ کا سامنا کریں گے تو آپ کی صحت پر اس کے منفی اثرات مرتب ہو سکتے ہیں جبکہ انتہائی صورت میں موت بھی واقع ہو سکتی ہے۔

گرمی کی حدت کی پیمائش (HEAT INDEX)

		TEMPERATURE (Degrees Celsius)																																					HUMIDITY (%)											
		18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50																
W	10	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51															
	15	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51															
R	E	20	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51														
	L	25	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51														
A	T	30	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51														
	I	35	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51														
V	E	40	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51														
	H	45	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51														
U	M	50	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51														
	D	55	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51														
I	T	60	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51														
	Y	65	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51														
D	I	70	20	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54														
	T	75	21	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54															
Y	E	80	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54															
	H	85	22	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54																
A	T	90	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54																
	Y	95	23	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54																	
M	D	100	24	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54																		
	I		18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50															
LEGEND																																																		

LEGEND

محتفظ	معمولی احتیاطی	لازمی احتیاطی	انتہائی خطرناک	خطرناک	انتہائی خطرناک	موت واقع ہو سکتی ہے
SAFE	MIND CAUTION	CAUTION	EXTREME CAUTION	DANGER	EXTREME DANGER	DEATH IMMINENT
No serious issues	Frail Aged and Children May Exhibit Discomfort	Discomfort Evident Fatigue possible	Fatigue Likely Muscle Cramps & Heat Exhaustion possible	Muscle Cramps & Heat Exhaustion Likely Heatstroke Possible	Heatstroke Likely Death Possible	Reduce exposure to under 2 minutes

عام طور پر گرمی کی شدت کو درجہ حرارت میں پیش کیا جاتا ہے تاہم ہوا میں نمی کا تناسب بھی گرمی کی شدت میں کمی / اضافہ کا باعث ہے۔ انسانی جسم گرمی کی جوشد محسوس کرتا ہے وہ درجہ حرارت اور ہوا میں نمی کے تناسب کا مجموعہ ہوتا ہے جس کو گرمی کی حدت / Heat Index کہا جاتا ہے۔

اوپر دیئے گئے ٹیبل کی مدد سے آپ گرمی کی حدت کی پیمائش کر سکتے ہیں۔ گرمی کی حدت جس قدر زیادہ ہوگی اس کی احتیاط بھی اسی مناسبت سے ضروری ہے تاکہ انسانی صحت پر گرمی کے مضر اثرات سے بچا جاسکے۔ ہم آپ کو تجویز کرتے ہیں کہ خصوصاً گرمی کے موسم میں اگر آپ کو تیز دھوپ یا گرم موسم کا سامنا کرنا گزیر ہو جائے تو آپ پہلے اس ٹیبل کی مدد سے گرمی کی حدت کا اندازہ اور مناسب احتیاطی تدابیر کا اہتمام ضرور کر لیں بصورت دیگر صحت پر مضر اثرات سے بچنا مشکل جبکہ انتہائی صورت میں موت بھی واقع ہو سکتی ہے۔

طریقہ استعمال

اوپر دیئے گئے ٹیبل میں مثال کے ذریعے اس کا استعمال سمجھا گیا ہے۔ فرض کریں آج کا درجہ حرارت 42 سینٹی گریڈ جبکہ ہوا میں نمی کا تناسب 35% فیصد ہے تو نتیجتاً گرمی کی حدت 52 سینٹی گریڈ ہوگی۔ یعنی انسانی جسم جو گرمی محسوس کرے گا وہ 52 ڈگری سینٹی گریڈ کے برابر ہوگی۔ ٹیبل میں دیئے گئے رنگ دارخانے آپ کو احتیاط کے بارے میں آگاہ کریں گے۔

عمومی احتیاطیں:

گرمی کی حدت کی پیمائش کے بعد اس کی مناسبت سے کام کی منصوبہ بندی کریں۔

جسم کو غیر ضروری تھکانے سے گریز کریں۔

پینے کے پانی کا زیادہ سے زیادہ استعمال کریں۔

سرکٹوں کی مدد سے ڈھانپیں۔

گرمی کی حدت کی مناسبت سے دھوپ میں کام کرنے والے افراد کام کے لیے وقفوں کا نظام موزوں ہوگا۔

Send your feedback, suggestions or any sort of input at
hseqreports@ogdcl.com or habib_akbar@ogdcl.com