PFCE
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WELCOME to National SOHELP Convention 2017

SOHELP
Systematic Occupational Health Enhancement Level Programme

SHARING MOMENT

SOHELP … CHALLENGES IN IMPLEMENTATION

Prepared By :

Kamarul Ahmad , SHO

HSE DEPARTMENT, PFC ENGINEERING SDN. BHD. (TSM)

TSM Project Facility, Teluk Kalong Yard, Kemaman Terengganu

"Acceptance in the Hearts & Minds …
is the essence in developing a Compliance Culture"

INTRODUCTION

PFC ENGINEERING SDN BHD (288327-K)
Lot PT 7425, Kawasan Perindustrian Teluk Kalong,
24000 Kemaman, Terengganu Darul Iman.
Tel : 09-860 2800 Fax : 09-860 2801

Rujukan Kami : PFCE-TSM/HSE/JKKP/2016(2)
Tarikh : 01.03.2016

Bahagian Hygiene
Jabatan Keselamatan Dan Kesihatan Pekerjaan,
(Kementerian Sumber Manusia),
Aras 3 Wisma PERKESO,
20538 Kuala Terengganu.

Tuan,

PERKARA : LAPORAN PERLAKSANAAN PROGRAM INTERVENSI SOHELP

Dengan segala hormatnya, perkara di atas adalah dirujuk.

2. Dilampirkan laporan perlaksanaan program intervensi SOHELP untuk syarikat PFC Engineering Sdn. Bhd. yang beralamat di Telok Kalong (No.Pendaftaran = TG/12/01/1504) untuk semakan dan tindakan lanjut pihak tuan.

Sebarang pertanyaan, pihak tuan boleh menghubungi kami di talian 09-8602800 (sambungan kepada HSE Department).

Sekian terima kasih,

"BERKHIDMAT UNTUK AGAMA, BANGSA & NEGARA"

Saya yang menurut perintah,

(Ir Shafiee Bin Abd Rahman)
Pengurus Besar,
Projek PFCE (TSM), Telok Kalong Kemaman.

Commitment from PFCE management

JABATAN KESELAMATAN DAN KESIHATAN PEKERJAAN
TERENGGANU
(KEMENTERIAN SUMBER MANUSIA)

Sijil Penyertaan

Mengucapkan setinggi-tinggi penghargaan kepada

KAMARULLIZAM BIN AHMAD
761218-01-5173

kerana telah menghadiri

KURSUS PERLAKSANAAN
PROGRAM SOHELP

pada

21 FEBBRUARI 2016

bertempat di

JKKP TERENGGANU
ARAS 3, WISMA PERKESO,
KUALA TERENGGANU,
TERENGGANU DARUL IMAN

Ir. Haji Dasuki Bin Mohd Heak
Pengarah
Jabatan Keselamatan dan Kesihatan Pekerjaan
Terengganu

SHO: Kamarullizam Ahmad

JABATAN KESELAMATAN DAN KESIHATAN PEKERJAAN
TERENGGANU
(KEMENTERIAN SUMBER MANUSIA)

Sijil Penyertaan

Mengucapkan setinggi-tinggi penghargaan kepada

AHMAD SAIFUDDIN BIN OTHMAN
871012-23-5901

kerana telah menghadiri

KURSUS PERLAKSANAAN
PROGRAM SOHELP

pada

29 DISEMBER 2016

bertempat di

JKKP TERENGGANU
ARAS 3, WISMA PERKESO,
KUALA TERENGGANU,
TERENGGANU DARUL IMAN

Ir. Haji Dasuki Bin Mohd Heak
Pengarah
Jabatan Keselamatan dan Kesihatan Pekerjaan
Terengganu

SHO: Ahmad Saifuddin Bin Othman

RESULTS FOR SoHELP PROGRAM

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DEPARTMENT OF OCCUPATIONAL SAFETY AND HEALTH
MINISTRY OF HUMAN RESOURCES

NOISE CHECKPOINTS
CHECKLIST AND IMPROVEMENTS RECORD

A. Company Particulars

Name : PFC ENGINEERING SDN. BHD.
Address : LOT PT 7425, KAWASAN PERINDUSTRIAN TELOK KALONG, 24000 KEMAMAN, TERENGGANU DARUL IMAN.
Contact Person : KAMARULLIZAM BIN AHMAD (HSE MANAGER)
Telephone No. : 09-8602800 Fax No. : 09-8602801
Email :
Commencement of Operation : 268327-K
DOSH Reg. No. : TG/12/01/1504
Type of Industry : 45305
No. of Workers : (Male : ; Female :)

B. Assessment Particulars

Enabler Team		
	Name	Contact No.
1.	KAMARULLIZAM B AHMAD	0197046362
2.	AHMAD SAIFUDDIN B OTHMAN	0109885387
3.	MOHAMAD SHAWAL B AHMAD	0173138307
4.	MOHD ZAIDI B AHMAD,	0148148292

	Assessment					
	1st (M1)	2nd (M2)	3rd (M4)	4th (M6)	5th (M9)	6th
Date of Assessment	23/2/2016	17/5/2016	28/9/2016	21/1/2016	16/01/17	
Level Achieved (E)	3	4	4	5	5	
Level Confirmation (V)	3	4	4	5	5	

DEPARTMENT OF OCCUPATIONAL SAFETY AND HEALTH
MINISTRY OF HUMAN RESOURCES

ERGONOMIC CHECKPOINTS
CHECKLIST AND IMPROVEMENTS RECORD

A. Company Particulars

Name : PFC Engineering Sdn Bhd
Address : Lot PT 7425 Kawasan Perindustrian Teluk Kalong, 24000 Kemaman, Terengganu.
Contact Person : Kamarullizam Bin Ahmad
Telephone No. : 019-7046362 Fax No. : 09-8602801
Email : kamarullizam_tsm@pfce.com/kamarul@gmail.com
Commencement of Operation :
DOSH Reg. No. : TG/12/01/1504
Type of Industry : Oil & Gas Industry
No. of Workers : (Male : ; Female :)

Assessment Particulars

Enabler Team	
Name	Contact No.
1. KAMARULLIZAM BIN AHMAD	019-7046362
2. AHMAD SAIFUDDIN BIN OTHMAN	010-9885387
3. MOHAMAD SHAWAL BIN AHMAD	017-3138307
4. MOHD ZAIDI BIN AHMAD	014-8148292

	Assessment				
	1st (M1)	2nd (M2)	3rd (M4)	4th (M6)	5th
Date of Assessment	23/2/16	17/5/16.	28/9/2016.	21/1/2016	16/0
Level Achieved (E)	1	3	4	5	5
Level Confirmation (V)	1	3	4	5	5

DEPARTMENT OF OCCUPATIONAL SAFETY AND HEALTH
MINISTRY OF HUMAN RESOURCES

CHEMICAL CHECKPOINTS
CHECKLIST AND IMPROVEMENTS RECORD

A. Company Particulars

Name : PFC Engineering Sdn Bhd
Address : Lot PT 7425, Kawasan Perindustrian Teluk Kalong, 24000, Kemaman, Terengganu
Contact Person : Kamarullizam bin Ahmad
Telephone No. : 019-7046362 Fax No. : 09-8602801
Email : kamarullizam_tsm@pfce.com/kamarulhse@gmail.com
Commencement of Operation :
DOSH Reg. No. : TG/12/01/1504
Type of Industry : Oil & Gas Industry
No. of Workers : (Male : ; Female :)

B. Assessment Particulars

Enabler Team	
Name	Contact No.
1. Kamarullizam b Ahmad	019-7046362
2. Ahmad Saifuddin b Othman	010-9885387
3. Mohd Shawal b Ahmad	017-3138307
4. Mohd Zaidi b Ahmad	014-8148292

	Assessment					
	1st (M1)	2nd (M2)	3rd (M4)	4th (M6)	5th (M9)	6th (M12)
Date of Assessment	23/2/16	17/5/16	28/9/2016	21/1/2016	16/01/17	
Level Achieved (E)	3	4	4	5	5	
Level Confirmation (V)	3	4	4	5	5	

PRESENTATION OUTLINE

1. To give an **overview** about the challenges in implementing SOHELP program at PFCE (TSM) Project.

2. To share an idea on **NOISE Management** in SOHELP implementation at PFCE (TSM) Project.

TSM PROJECT BACKGROUND

- Topside Structural Maintenance (TSM) Project is one of the various workplaces under the flagship of PFC Engineering Sdn. Bhd. (PFCE), servicing the maintenance operations of the Oil and Gas industry.

- On January 2011, PFCE awarded as a contractor with 5 years Topside Structural Maintenance (TSM) Services for 32 ea offshore platforms and 3 ea onshore terminals.

- Total project man-hours worked involves shutdown and non-shutdown activities as of to-date has reached 8,630,460 mil.

CHALLENGES …

1. **Management commitment** to implement SOHELP
   - 1.1 Less concerned mindset & perception towards hygiene.
   - 1.2 Budget constrain.

2. **Organizational** Set-up to support the SOHELP program
   - 2.1 Lack of awareness and competency.
   - 2.2 Lack of readiness.

1. MANAGEMENT COMMITMENT …

1.1 Less concerned **mindset & perception** towards hygiene.

- 1.1.1 Nature of occupational diseases that has **chronic effect** **VS** **temporary project** set-up working environment.
- 1.1.2 Nature of **temporary project facility** set-up **VS** **high turnover** in shutdown @ turnaround manpower.
- 1.1.3 Conflict between **past experiences** **VS** **current enforcement** by authority i.e DOSH

1. MANAGEMENT COMMITMENT …

1.2 Budget constrain to comply with hygiene requirement

- 1.2.1 Readiness of the facility set-up **VS** legal requirement.
- 1.2.2 Cost impact due to the nature of hygiene issues which require continuous monitoring **VS** temporary project setup with high turnover manpower.
- 1.2.2 Balance in downtrend in profit margin **VS** operational cost cutting due to uncertainty of current oil prize.

2. ORGANIZATIONAL SET-UP …

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2.1 Lack of awareness and competency

- 2.1.1 Capability of **HSE Department** to justify@advise **VS** **management perception** towards hygiene requirement.
- 2.1.2 Lack of support from **SHC** **VS** poor supervision by Front Line Supervisor **(FLS)** to support the SOHELP compliance.
- 2.1.3 Lack of synergy with **OYK** **VS** poor **participation** **from employees** in SOHELP programs.

2. ORGANIZATIONAL SET-UP …

2.2 Lack of readiness

- 2.2.1 Existing temporary project facility design **VS** industrial hygiene standard compliance
- 2.2.2 Nature of TSM activities **VS** Organizational safety & health culture.

SOHELP journey

BEST PRACTICES IN
Hearing Conservation Program

Prepared By :

HSE DEPARTMENT, PFC ENGINEERING SDN. BHD.

Topside Structural Maintenance (TSM) Project Facility, Teluk Kalong Yard, Kemaman, Terenganu.

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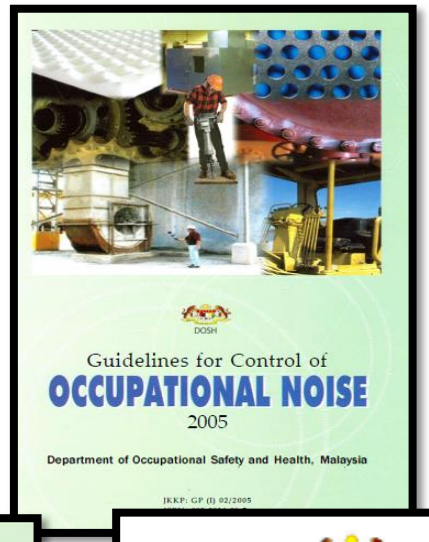
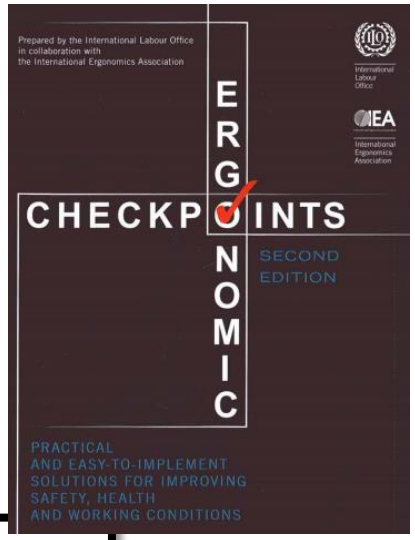
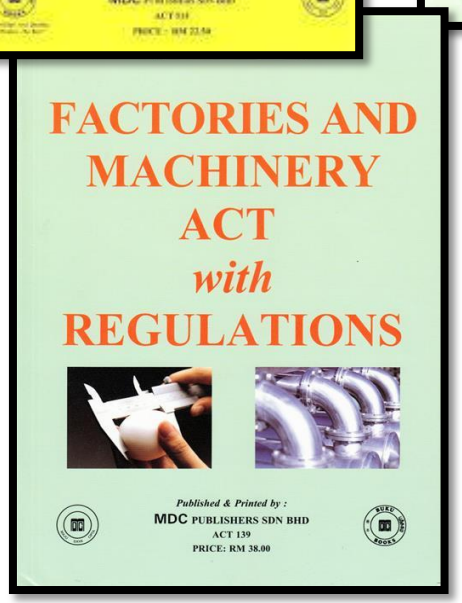
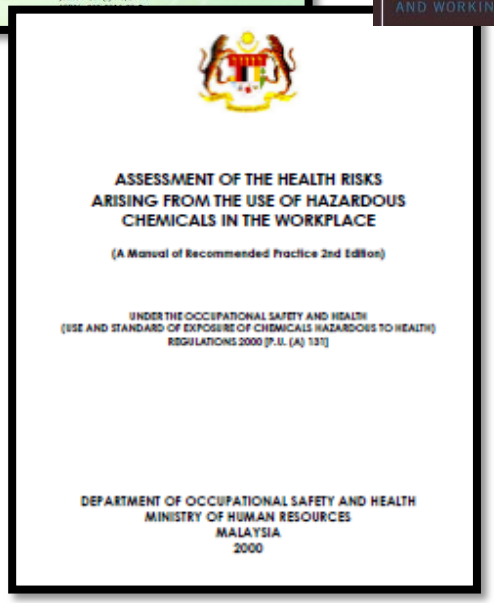
GUIDELINE FOR SOHELP









SYNERGY & ENGAGEMENT WITH COMPETENT PERSON

Hygiene & Health Section
DOSH Kuala Terengganu

Dr. Ahmad Bin Shahir
Panel OHD/ Medical Consultant

Dr. Rashid Bin Hussin
Panel OHD/ CHRA Consultant

Mr. Zulafian Bin Ali
Industrial Hygiene Tech 1
Chemical Monitoring

Mr. Mohd Sihar Bin Remli
Industrial Hygiene Tech 2
Inspection, Testing & Examination
of Engineering Control Equipment

Mr. Zulhazam Bin Mohamed
OYK Monitoring of Noise Exposure

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ESTABLISH PROGRAM & MANAGEMENT COMMITMENT

Appointment of person-in-charge (PIC) to implement SOHELP program

PFC ENGINEERING SDN BHD

Rujukan Kami : PFCE-TSM/HSE/[illegible]
Tarikh : 01.03.2016

Bahagian Hygiene
Jabatan Keselamatan Dan Kesihatan Pekerjaan,
(Kementerian Sumber Manusia),
Aras 3 Wisma PERKESO,
20100 Kuala Terengganu.

Tuan,

PERKARA : LAPORAN PELAKSANAAN PROGRAM INTERVENSI SO

Dengan segala hormatnya, perkara di atas adalah dirujuk.

2. Dilampirkan laporan pelaksanaan program Intervensi SO Engineering Sdn. Bhd. yang beralamat di Teluk Kalong (No.Pendaftaran semakan dan tindakan lanjut pihak tuan.

Sebarang pertanyaan, pihak tuan boleh menghubungi kami di talian 09-8 HSE Department).

Sekian terima kasih,

"BERKHIDMAT UNTUK AGAMA, BANGSA & NEGARA"

Saya yang menurut perintah,

(Ir Shafiee Bin Abd Rahman)
Pengurus Besar,
Projek PFCE (TSM), Teluk Kalong Kemaman.

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LAMPIRAN 1

BORANG PERSETUJUAN PENYERTAAN PROGRAM INTERVENSI SOHELP

Dengan ini saya, Ir Shafiee Bin A Engineering Sdn.Bhd bersetuju untuk

Pihak syarikat juga bersetuju untu bertanggungjawab untuk melaksana

Bil.	Nama
1	Kamarulizam Bin Ahmad
2	Ahmad Seifadlin Bin othman
3	Mohamad Shawal Bin Ahmad
4	Mohd Zaidi Bin Ahmad

Sekian, terima kasih.

Nama: Ir Shafiee Bin Abd Rahman
Jawatan : General Manager
Tarikh: 29 Februari 2016

JABATAN KESELAMATAN DAN KESIHATAN PEKERJAAN
TERENGGANU
(KEMENTERIAN SUMBER MANUSIA)

Sijil Penyertaan

Mengucapkan setinggi-tinggi penghargaan kepada

KAMARULIZAM BIN AHMAD
761218-01-5173

kerana telah menghadiri

KURSUS PELAKSANAAN
PROGRAM SOHELP

pada

21 FEBRUARI 2016

bertempat di

JKKP TERENGGANU
ARAS 3, WISMA PERKESO,
KUALA TERENGGANU,
TERENGGANU DARUL IMAN

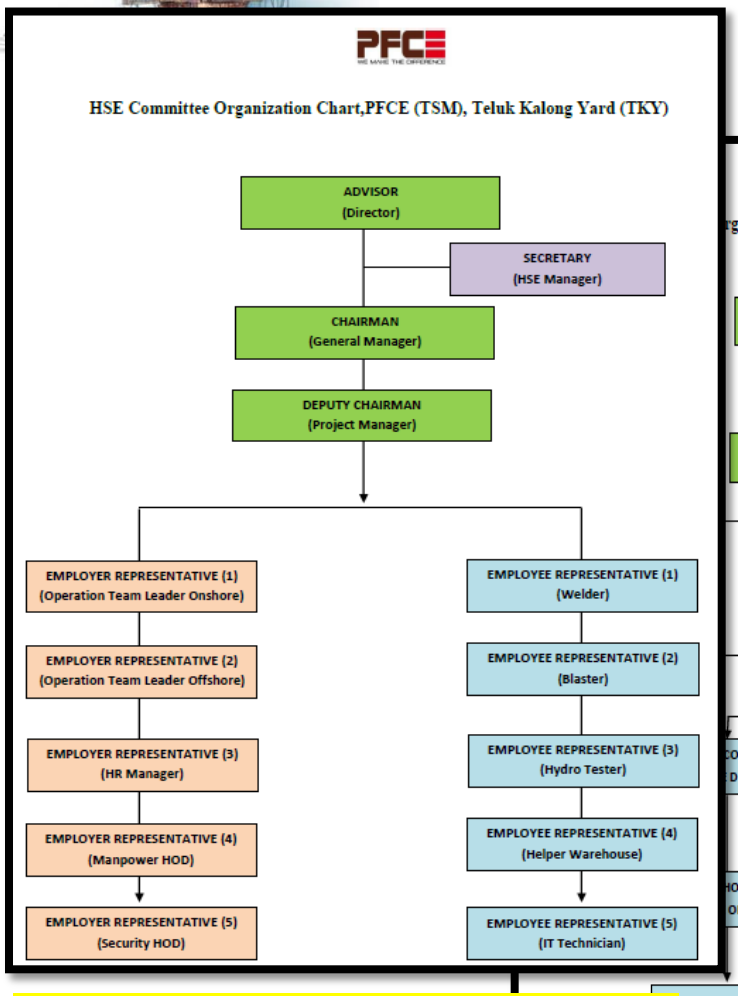
Pengarah
Jabatan Keselamatan dan Kesihatan Pekerjaan
Terengganu

DOSH Audit & Management Briefing on SOHELP Program

Letter of agreement from management to participate in program

PIC Attended SOHELP Training at DOSH KT

BACK-UP FROM SUPPORT TEAM - RESOURCES



HSE Committee Organizational Chart

HSE Department Organizational Chart

PMT & SHC briefing on SOHELP program

HCP ACTION PLAN – PDCA CONCEPT

NO	MILESTONE	PROGRESS	STATUS
1	Initial Employee Exposure Monitoring	• Consultant: CI Dynamic Sdn. Bhd. • Competent Person: Haniff B. Jamaludin (JKKP HIE 127/5/3-1 NO87) • The monitoring was conducted on 15th and 16th January 2013	• Closed
2	Positive Initial Employee Exposure Monitoring	• Consultant: Triple A EHS Solution • Competent Person: Zulhazam B. Hj Mohamed (JKKP HIE 127/5/3-1 NO84) • The monitoring was conducted on 05 February 2015 • Received report on 12 February 2015	• Closed
3	Audiometric Testing Program	• Medical Occupational Health Clinic: Klinik Alamanda & Klinik Ramli • Panel Occupational Health Doctor: Dr Ahmad Shahrir b Hj Ramli (HQ/08/DOC/00/276) • The audiometric test was conducted since 2011 – as of to date. • Audiometric test conducted to 50 workers on 03 February 2015 found 7 workers suspected to experience Occupational Hearing Disorder.	• Closed
4	Employees Notification	• All employees shall be notified of the noise monitoring results within 2 weeks from the date of receipt the report. • HSE Department discusses report with OYK, OHD and top management. • PFCE (TSM) conducted employee notification on 17 February 2015 (Closed out is available)	• Closed

HCP ACTION PLAN – PDCA CONCEPT

NO	MILESTONE	PROGRESS	STATUS
5	Engineering & Administrative Control	• Construction of Blasting Chamber at isolated area • Installation of sound proof sponge at noise sources equipment • Work schedule in high noise exposure area is rotated among workers based on work schedule at blasting and painting area, the workers perform job rotation among them.	• Closed
6	Hearing Protection Devices	• Audit stock card record at warehouse to check on HPD issuance. • HSE walkabout & enforcement of the HPD compliance at worksite. • HPD provided to workers e.g ear plug & ear muff.	• Closed
7	Training Hearing Conservation Programs	• Noise Legal and Other Requirement Training for PMT and SHC • Noise Exposure Awareness Training for Workers • Refreshing Training Noise Exposure Awareness for workers • Hearing Protection Campaign for workers	• Closed
8	Warning Sign	• Installation of zoning sign for HPD compliance • Installation of Noise Level warning signage • Include Noise Mapping in Safety Induction	• Closed
9	Transfer of Record	• Initial Employee Noise Exposure Monitoring Report • Positive Initial Employee Noise Exposure Monitoring Report • Baseline Audiometric Test Report • Yearly Audiometric Test Report • Individual Audiometric Test Report	• Closed

HCP BUDGET – FINANCIAL

NO	ACTIVITY/PROGRAM	PRICE/PAX	FREQUENCY
1	Initial Employee Noise Exposure Monitoring	RM 2,120/ unit	Every 5 Years
2	Positive Initial Employee Noise Exposure Monitoring	RM 1,500/ unit	Within 6 Months
3	Baseline Audiometric Test	RM 35/ Pax	Once a Year
4	Yearly Audiometric Retest	RM 35/ Pax	Once a Year
5	OHD Report for Baseline Audiometric Test	RM 1,000/ Report	Once a Year
6	OHD Report For Yearly Audiometric Retest	RM 1,000/ Report	Once a Year
7	Noise Awareness Training	RM 400/ session	Once per each location
8	Noise Awareness Campaign	RM 300/ year	Once a Year
9	Noise Level Warning Signage	RM 150/ unit	One per each work station
10	HPD Compliance Signage	RM 850/ unit	One per each work station
11	HPD Ear Plug	RM 40/ box	One unit every 2 days per worker
12	HPD Ear Muff	RM 30/ unit	One unit per worker

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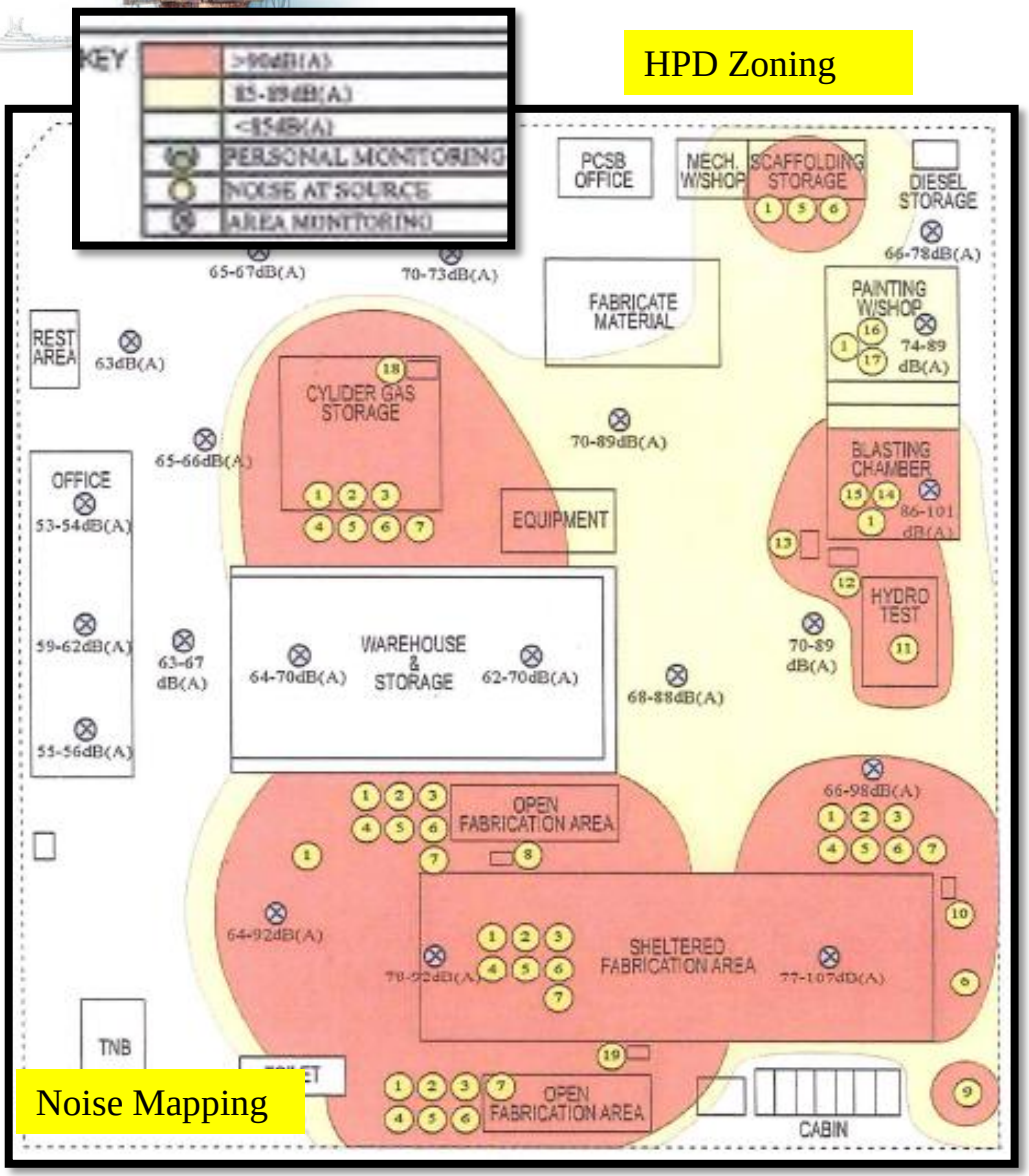
Noise Mapping, HPD Zoning, Signage



Noise Mapping

HPD Zoning

Noise Level Warning Signage

HPD Requirement Warning Signage

RISK ASSESSMENT – HIRARC & JHA

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HIRARC

JHA

PFC Engineering Sdn. B
(268327-K)
INTEGRATED QUALITY, OCCUPATIONAL
AND ENVIRONMENT MANAGEME
HAZARD IDENTIFICATION , RISK ASSESSMENT AND DETERMINING
(HIRARDC FORM)

Department: OPERATION | Function / Main Activity: Blasting and Painting

HAZARD IDENTIFICATION					RISK ASSESSMENT			
NO	Activity Description	Hazard	Hazard Effect	Existing Controls (If any)	Probability	Severity	Risk	Add
1	Blasting	Dust	Breathing difficulty Environmental pollution	Wearing blasting suit Dedicated / Enclosed area	4	3	12 (M)	To p work
		Moving parts	Minor or Major injury	Barricade work area Signage Competent personnel Any moving or rotating part need to be covered	2	[illegible]	[illegible]	Nil
		Noise	Hearing impairment	Wear ear plug/ ear [illegible]	[illegible]	[illegible]	8 (M)	To p work
		Heat	Tiredness	[illegible] Standby personnel	3	2	6 (M)	To when
		Ergonomic	Tiredness	Sufficient rest Standby personnel	3	1	3 (L)	Nil
		[illegible]	Minor injury	Wear leather apron Rubber gloves and safety shoes Facemask and safety helmet Wear fire retardant coverall Wear dust mask	5	2	10 (M)	To p work
		Hose disconnected	Minor injury	All fittings using safety wire guard, safety pins and shrink filled hose at hose connection	2	2	4 (L)	Nil

UNCONTROLLED

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JOB HAZARD ANALYSIS

JHA NO.	PFCE-HSE-JHA-018
REV	0
DATE	
PAGE	1 OF 3

HOW TO USE THIS FORM:
1. Crew performing task reviews ALL generic JHA consideration.
2. Review previous JHA updates(s) for useful information which will help this task.
3. Create new JHA update with generic form and ALL consideration for this task.
4. Carry out task as per plan. If any conditions change – STOP & RE-ASSESS.
5. File JHA update for future reference.

Installation/ Facility	
Location	
Associated Work Permit Type	
Associated Work Permit No.	
Electrical Isolation Cert. No	
Physical Isolation Cert. No.	
JHA Cross-Reference No.	

WORK DESCRIPTION HOTBOLTING

JOB STEP	DESCRIPTION OF JOB STEP	POTENTIAL HAZARD/S	POTENTIAL IMPACT	L	S	R	CONTROL MEASURES	RECOVERY MEASURES	L	S	R	RESULT
1	General – Prior to start of job	1) Workers do not fully understand the task. 2) Sharp edges. 3) Poor communication.	1) Bad quality of work. 2) Hand & finger injury. 3) Property damage.	2 2 2	2 2 2	4 4 4	1) Barricade the area and post warning sign. 2) Tool box meeting prior to start the works and brief on the task. 3) Identification of hazard available within the area and rectify. 4) Establish any method of communication which can be understood by workers concerned.	1) First aid box ready and fully occupied during emergency. 2) Stand by walkie talkie for each foreman.	1 1 1	1 1 1	1 1 1	Acceptable
2	Run air compressor	1) High noise. 2) Spark/ flammable liquid (diesel).	1) Hearing impairment 2) Major injury/ burn.	1 2	3 3	3 6	1) Protect ear with ear plug. 2) Ensure drip pan has been installed 3) Used right technic to refill diesel to air compressor. 4) Ensure firewatcher frequently monitor temperature gauge. 5) Cold down machine first if overheats.	1) See occupational health doctor if any injury occur. 2) Standby portable gas detector. 3) Conduct audiometry test yearly for worker continuously involved. 4) Stand by fire extinguisher.	1 1	1 2	1 2	Acceptable

1) High noise. 2) Spark/ flammable liquid (diesel).	1) Hearing impairment 2) Major injury/ burn.

Noise	Hearing impairment	Wear ear plug/ ear [illegible]	2	4	8 (M)	To put a signage at work area	Blasting Technician	

RISK CONTROL – SOP, PTW

PFC ENGINEERING SDN.BHD.
Noise at Work

PFCE-HSE-PR-018
Rev: 00
Page 1 of 9

NOISE AT WORK

Contract Title: Provision of Topside Structural Maintenance (TSM Services (Package III)

SKO/2009/BME1/098

CONTROLLED COPY No: 01 Date: 25/05/2011

PFCE ENGINEERING SDN. BHD		PETRONAS CARIGALI SDN. BHD	
Prepared By	Reviewed By	Reviewed By	Approved By
Md Zamrul Hj Mohamad HSE ENGINEER PFCE	Ir Shafiee Abd Rahman PROJECT MANAGER PFCE	Mohd Ariff b Zulkifli HSEMS Executive Petronas Carigali Sdn Bhd	PMO
Date : 21/05/2011	Date : 23/05/2011	Date : 19/6/2011	Date :

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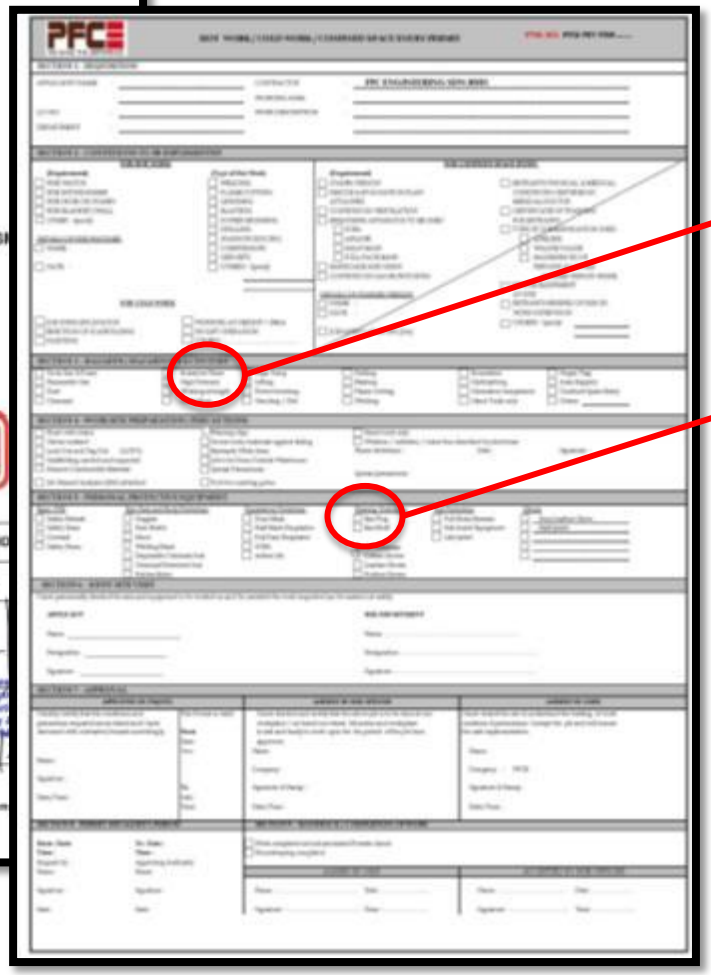
Safe Operating Procedure for Noise at Work

PTW



HAZARDOUS ACTIVITIES

- ☐ Excessive Noise
- ☐ High Pressure

Hearing Protection

- ☐ Ear Plug
- ☐ Ear Muff

RISK CONTROL - HPD
Issuance record since 2011-2016

2013	Total
January	14 box
February	21 box
March	
April	
May	
June	
July	
August	
September	
October	
November	
December	
TOTAL	

2014	Total
January	3 box
February	21 box
March	
April	
May	
June	
July	
August	
September	
October	
November	
December	
TOTAL	

2015	Total
January	5 box
February	12 box
March	
April	
May	
June	
July	
August	
September	
October	
November	
December	
TOTAL	

2016	Total
January	6 box
February	6 box
March	5 box
April	6 box
May	9 box
June	7 box
July	40 box
August	
September	
October	
November	
December	
TOTAL	79 box

$$Noise\ Level, dB(A) - \frac{NRR - 7}{2} < 85\ dB(A)$$

Job Task : Grinding Activity

8-hour TWA noise exposure : 95 dBA
NRR of 3M 1100 Ear Plug : 29 dB

Subtract 7 dB Safety Factor from the NRR :
29 dB - 7 dB = 22 dB
Divide by 2 :
22 ÷ 2 = 11 dB

Subtract 11 dB from the 8-hour TWA noise exposure:
95 dBA - 11 dB = **84 dB**

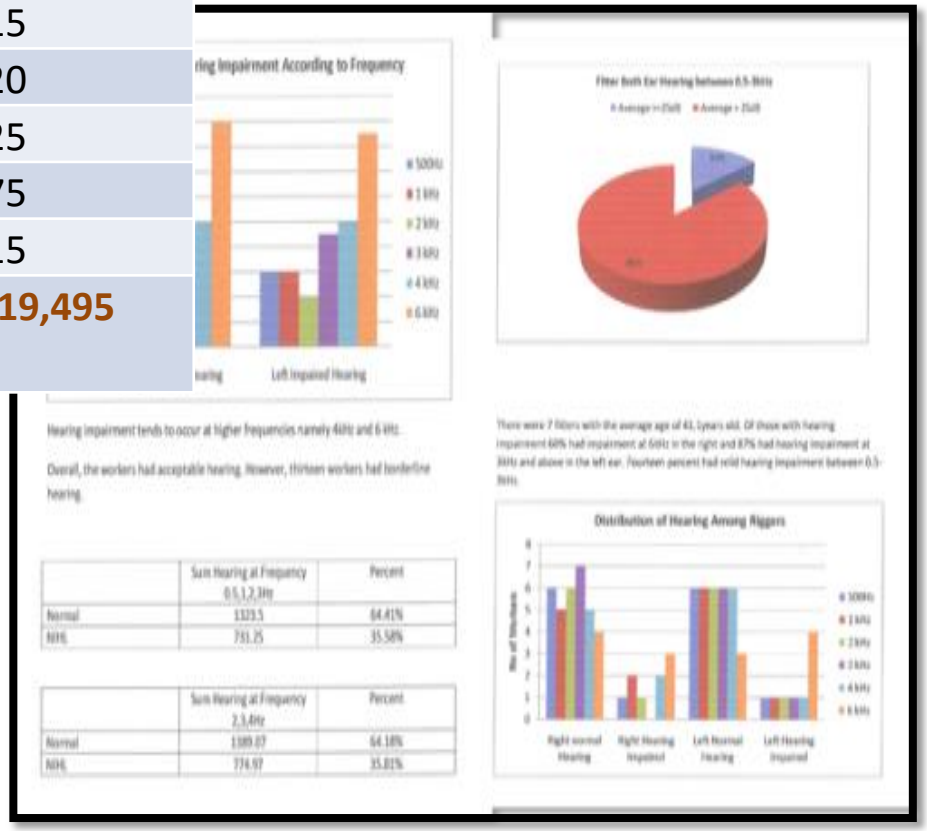
Decide 84 dB (known as the "Protected Exposure") is below the PEL for noise

Ear Plug 3M 1100 with NRR 29

RISK MONITORING
Audiometric Test since 2011-2016

	Klinik A	Klinik B	Total/ Pax	Cost
2011	4	3	7	RM 245
2012	69	-	69	RM 2,415
2013	128	44	172	RM 6,020
2014	203	12	215	RM 7,525
2015	58	7	65	RM 2,275
2016	29	-	29	RM 1,015
TOTAL	491	66	557	RM 19,495

Audiometric testing result interpreted by OHD with relevant examination and investigations



PREVENTIVE ACTION

PFCE
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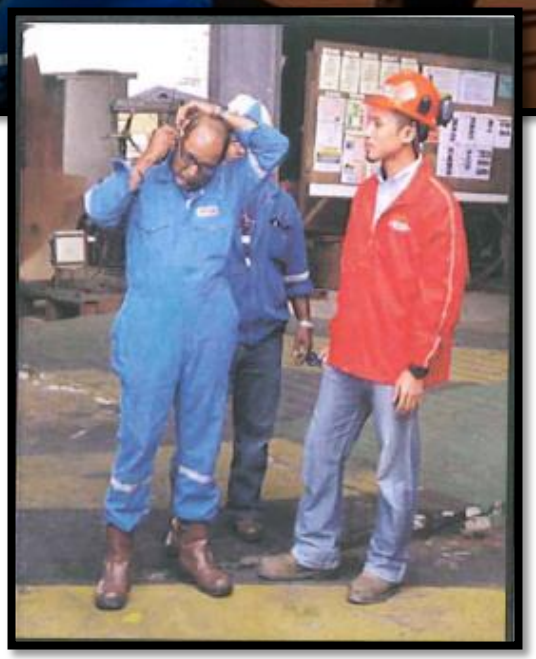
Yearly Noise Exposure Refreshing Training



PREVENTIVE ACTION

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PFC ENGINEERING SDN BHD

MEMO

KEPADA : SEMUA FLS (GS/CS/FOREMAN/WORK LEADER)
(TELUK KALONG YARD, ONSHORE TERMINAL, OFFSHORE PLATFORM)

DARI : PENGURUS PROJEK PFCE (TSM)

TARIKH : 10 Julai 2016

TAJUK : PENYAKIT OCCUPATIONAL HEARING DISORDER

Berdasarkan penyiasatan yang dilakukan pihak DOSH pada 28 Jun 2016, 7 orang pekerja PFCE (TSM) TKY telah disahkan mendapat penyakit *Occupational Hearing Disorder*.

Berdasarkan kepada *Noise Mapping* yang telah dilakukan oleh OYK pada tahun 2013, beberapa aktiviti dan lokasi telah dikenal pasti melebihi paras *action level* (85 db).

Antara aktiviti tersebut ialah *Grinding, Hammering, Cutting, Impact Wrench* dan *Blasting*. Selain itu, beberapa peralatan & mesin yang digunakan juga menyumbang kepada bunyi bising seperti *cutting machine, wood cutting machine, genset, compressor* dan *generator*.

Oleh sebab itu, kes ini dipandang serius oleh pihak pengurusan PFCE (TSM). Sila pastikan semua pekerja mematuhi peraturan yang telah ditetapkan seperti di bawah:

1. Pekerja hendaklah mengenal pasti aktiviti kerja atau sumber bunyi bising seperti yang telah ditandakan pada PTW, dibincangkan di dalam JHA, *singage* & *noise mapping*.
2. Pekerja diwajibkan memakai HPD yang betul dan bersesuaian dengan tahap pendedahan bunyi bising seperti ear plug atau ear muff.
3. Bagi pekerja yang bekerja di kawasan bunyi bising melebihi 85 db, hendaklah mendapatkan perkhidmatan ujian audiometric.
4. Melaporkan kepada pihak pengurusan mana mana pekerja yang tidak memakai HPD semasa melakukan kerja kerja atau berada di kawasan bunyi bising.

'KESELAMATAN & KESIHATAN TANGGUNGJAWAB KITA BERSAMA'

Pengurus Projek,
PFC ENGINEERING SDN. BHD. (TSM),
TELUK KALONG YARD

MEMO HPD Compliance from PMT to worksite

HSE ALERT 08/16

PFCE

Ringkasan Kejadian:

Berdasarkan penyiasatan yang dilakukan pihak DOSH pada 28 Jun 2016, mendapati 7 orang pekerja PFCE (TSM) TKY telah disahkan mendapat penyakit *Occupational Hearing Disorder*.

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Tindakan Segera:

1. Pekerja hendaklah mengenal pasti aktiviti kerja atau sumber bunyi bising seperti yang telah ditandakan pada PTW, dibincangkan di dalam JHA, *singage* & *noise mapping*.
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HSE Alert & Bulletin to remind workers to wear HPD properly

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PREVENTIVE ACTION

Management HSE-Operation Task-Force Walkabout

Toolbox Talk Alert on HPD Compliance on the Fabshop Floor

HPD Issuance Audit at Warehouse Department

PREVENTIVE ACTION

HSE ROLE OUT SESSION FOR PMT

TOP MANAGEMENT ENGAGEMENT & COMMITMENT

HSE ROLE OUT SHC

HSE ROLE OUT SESSION FOR FLS

AWARENESS CAMPAIGN FOR WORKERS

TOP MANAGEMENT REVIEW OF HSE PERFORMANCE

PREVENTIVE ACTION

SoHELP Corner at PFCE Office

PREVENTIVE ACTION

SoHELP Certification Award to The Best Practices

Ergonomic Awareness

Noise Awareness

CHRA Awareness

PREVENTIVE ACTION

PREVENTIVE ACTION

First Audit on 23 March 2016

Second Audit on 17 May 2016

Third Audit on 28 September 2016

Fourth Audit on 02 Nov 2016

Fifth Audit on 16 January 2017

RECAP OUTLINE

1. To give an **overview** about the challenges in implementing SOHELP program at PFCE (TSM) Project.

2. To share an idea on **NOISE Management** in SOHELP implementation at PFCE (TSM) Project.

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PFCE
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THANK YOU

*"COMING together is **BEGINNING** …,*
*KEEPING together is **PROGRESS**…,*
*WORKING together is **SUCCESS**…"*

"Team – Work Effort"

SOHELP
Systematic Occupational Health Enhancement Level Programme

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