







### Permit To Work, the requirements

- → Malaysia Law.
- → Petronas Zero Tolerance ZeTo Rules.
- → Siemens Zero Harm philosophy.
- → Consortium Siemens AG/SMSB/MMC ES OHS Plan.







### Permit To Work, system objectives

- → Planned CONTROL of multiple construction activities.
- Planned CONTROL of testing, and energizing for temporary and permanent equipment.
- Ensure CONTROL of hazards introduced to the work area by energizing of temporary and permanent equipment.







- PTW Administrator/Officer PTWA/PTWO. A Person with responsibility for coordinating and administrating of the PTW system.
- → PRIOR to establishing the auxiliary power supply the administration of the PTW system is performed by CSM HSE department.
- → 2 WEEKS BEFORE establishing the auxiliary power (full site power) a PTW Start Up Engineer shall be appointed.







- Authorized Applicant AA. A person trained and appointed by CSM to apply for CSM PTW.
- → Is responsible for the correct and safe performance of the work.
- → Is required to supervise the execution of work detailed on the permit.
- → May perform the execution of the work themselves.
- → May transfer custody of a PTW to a Local Supervisor LS by completing Section 10 of the PTW.







- Local Supervisor LS. A person trained and appointed by CSM to receive PTW from AA.
- → Must understand AA instructions and PTW content.
- → Must sign relevant sections of PTW (Section 10).
- → Must be at the site for the execution of the works.
- → Must ensure a pre-start toolbox relating to the PTW is performed and recorded.







- Engineer Responsible for Construction ERFC. A person trained and appointed by CSM to determine control requirements for a PTW.
- Reviews the PTW content against approved documentation.
- → Confirms by signing the PTW that requirements have been assessed (Section 04).
- Perform checks on works in progress to ensure compliance to PTW, (recorded in Section 14).
- Confirms works completed by signing PTW Section 12.







- → EHS Management EHSM. A person trained and appointed by CSM to review PTW applications.
- Confirms by signature to ERFC that relevant CSM approved documentation is available to support the PTW application and the planned works.
- Monitors works in progress and compatibility with in service permits.







- Construction Manager CM. A person trained and appointed by CSM to review, release and extend completed PTW applications.
- → Identifies and nominates ERFC from within respective Consortium organization.
- → Releases the work for execution by signing PTW Section 08.





Persons required to implement the PTW system



PTWA/PTWO

Summary

Permit to Work Administrator/Officer,

maintains PTW system.

AA <u>Authorized Applicant</u>, request, receives,

closes PTW.

Local Supervisor, receives PTW.

ERFC Engineer Responsible for Construction,

defines the required controls.







- EHSM EHS Management, confirm approved CSM documents available
- CM <u>Construction Management</u>, releases, extend PTW.
- AP <u>Authorized Person</u>, a person appointed by CSM to apply and reset isolations
- KKS <u>Kraftwerk Kennzeichen System</u>, a component coding system used universally on Siemens power plants.





# Approved documents required to obtain a PTW



- A project specific activity based risk assessment reviewed and released by Consortium Site Management (CSM).
- → A Method Statement OR Safe Work Procedure (e.g. Lifting Plan) approved by CSM.
- Drawings or Layout.





# Approved documents required to obtain a PTW, Project Specific Activity Based Risk Assessment.

DICK ASSESSMENT FORM



				RISK ASS	SESSME	NIF	ORI	M						
Com	pany / Department:	PEK CHEV	V PILING		RA Leader				Approved by					
Proc	ess/ Location:	Site wide	oiling		RA Member 1 RA Member 2									
Origi	nal Assessment Date:	18.12.2014	•		RA Member 3									
	Review Date:	10.12.2014	•		RA Member 4				Nama Dasir	motion	Ciana	turo D	ata:	
	Review Date	01.06.2015			RA Member 5					esignation, Signature, Date:  MMC/PC/RA/001 Re				
IVEX	Review Date	01.06.2015							Ref No: MMC/PC/RA/001 Rev					
	1. Hazard Id	Initial Risk Index 2. Risk Evaluation				THE RESERVE THE PARTY OF THE PA	isk C	desibilitati Solda	THE PARTY NAMED IN					
1a	1b	1c	1d	2a		2b	2c	2d	3a	3b	3c	3d	3e	
No.	Work Scope / Work Activity/ Sub Activity	, Hazard	Possible Accident / III Health Persons- at-Risk / EHS impact	Implemen Cont		Severity	Probability	Degree Of Risk	Additional Risk Control	Severity	Probability	Degree Of Risk	Action Officer, Designation Due Date	
	. Mobilization / Demo	bilization of Con	struction Ve	hicles, Plant an	d Equipment									
		Vehicle collision / Overturn	Personal injury / property damage	Ensure qualified to be instructed 25kph speed lim     Licensed drivers site.     Ensure proper a provided (steel pcore base) befor site area. Follow entering worksite.	relating to iit. conly to enter ccess plate / hard re entering before they	5	U	5C HIGH	All vehicles to be accompanied with banksmen. Drivers to follow directions of banksmen. Driver or operator must be inducted before entering the worksite. Provide 25km/h speed limit signages.	n	œ	3B LOW	Lifting Supervisor & EHS Rep	
1.1	Mobilization of Constructio Vehicles, Plant and Equipment.	Falling of load during transportati on due to ground conditions	Personal injury / property damage	Drivers to be ins relating to 25kpt     Licensed drivers site.     Workers not per travel on back o any time.     All material to be in original packa secured with las	n speed limit. s only to enter mitted to f lorries at e transported aging and	ĸ	O	9С НІСН	All vehicles to be accompanied with banksmen. Drivers to follow directions of banksmen. All drivers to be informed by lifting supervisor that loads are to remain secured / lashed until at point of unload.	6	œ	B3 LOW	Lifting Supervisor & EHS Rep	
		Tripping Hazard - Equipment & tools scattered.	Personal injury due to tripping.	Regular inspect housekeeping to out.		2	æ	2B LOW	Provide designated storage area	2	4	ZA LOW	Project Coordinator	

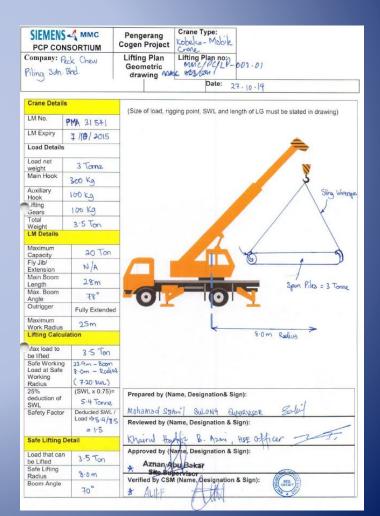




Approved documents required to obtain a PTW, Method Statement (MS) or Safe Work Procedure (SWP) PETRONAS





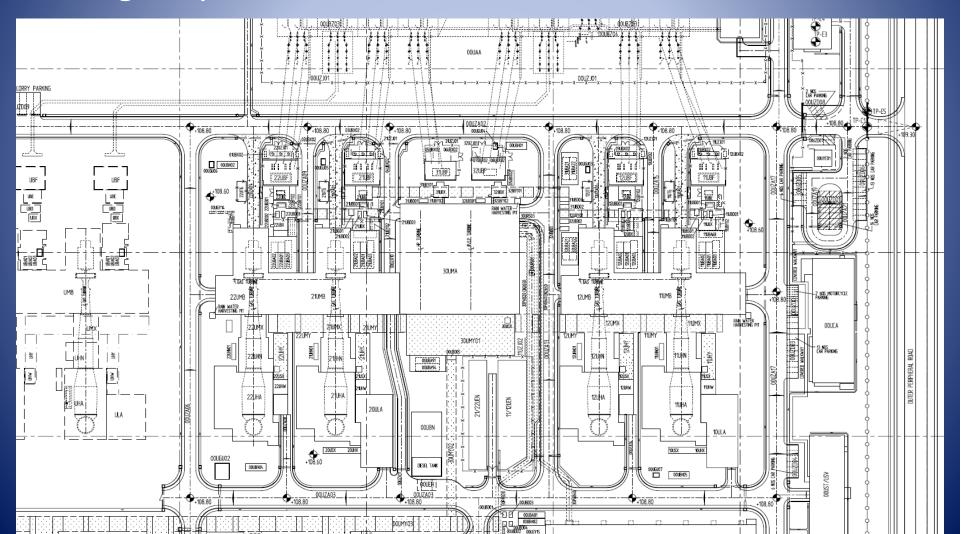






Approved documents required to obtain a PTW, Drawings/Layout











## Categories of work.

- → Cat I, Excavation Works
- → Cat II, Work In Operational Areas/ECC
- → Cat III, Hot Works
- Cat IV, Radiography
- → Cat V, Confined Space Works
- Cat VI, High Risk Works



PERMIT TO WORK



# PETRONAS

## Permit application, Review and Release

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APPLICATION										
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	Sect.1a	Desired date ar	nd duration:		Signature AA					
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	Sect.1b	Date/Signature co	on/com man	Date/S	Signature con/com man	Date/Signatur	e con/co	om man	Date/Sig	nature con/com n
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y II nal. Areas		High temperature					n potential / ng permane		sts /		Cher PPE:		tective	cloth	ing or	other spec
gor		Specify control measure:			11						spec	ify				
Category II Work in Operational.		Hazardous substance resid						Othe	r							
\$		specify:														
≡ ¥		Fire fighting equipment  Specify			Post-work Fire watch				Vent	ilation				test	s / mor	potential / nitoring pe required
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PCP PROJECT

P07-065 Appendix 01 Page 1 of 4 P07-065 Appendix 01 Page 2 of 4





# PETRONAS

# Permit application, Review and Release

EM	E	NS PCP PROJ	ECT	PERMIT	TO WO	RK	PTW No.:				
on 5	tment	Appointed Senior Authorized P	erson		Name, Compa	ny					
Section	Appointment	Appointment by Commissioning	g Managem	nent	Name, Date, T	ime, Signature					
=	_	Isolation::			System -specific EHS measures:						
	es	Isolation list: YES	N	0 0	drained	Some Erio meas	de-energized/isolated				
	Ĭ			0 0							
	ea	Component(s) to be isolated	1:		uented vented		☐ grounded/short-circuited				
Ι.	- Measures				purged/flushed						
9	Ē				☐ de-press	surised					
<u>6</u>	yst				☐ breaking vacuum						
Section	S				□ other						
٠,	from the System				L strict						
	6										
l :	ž	Actions defined by (Senior A	Authorized	l Person)	Approval by	Commissioning	g Manager:				
١.	Safety										
	S	Name, Date, Signature			Name, Date, Time, Signature						
	٦	0	Release h	by Commissioning I	Manager/	I					
	=	Confirmation of release and implementation of	r cicase E	Shift Supervisor:	nanagen						
4	mplementation	General Safety Measures and Isolation Actions	Mechanic	al systems: Action	implemented						
io	ent	to obtain									
Section	em	Safety from the System	Electrical	systems: Action im	plemented						
0,	lmp	Senior Authorized Person	Syster	m-specific EHS mea	asures		_				
Ш						Name, Date, Tir	ne, Signature				
		Work released by			1						
ξ÷	ase	Commissioning Manager of	r Shift Su	pervisor or							
Sect. 8 Work	ele	Commissioning Manager of Construction Manager	Silit Su	pervisor or							
	٠	Construction Manager			Name, Date	, Time, Signature					
	ī	I the AA am fully responsible for	r the safe o	execution of the wo	rk under this n	armit Lunderstand	and will instruct the Local Su-				
		pervisor on the General Safety									
<u>,</u>		ment and attachments and I wi			and to dome v	calca, nom mo	-,				
anc	ž				the contents of	this document to	the working party and				
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Section 9 Performance	o	or and attaching too									
ľ		Authorized Appl	licant								
l		лишопеви Арр		Name, Date, Time,	Signature						
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									No.:				
	LS and AA hav		LS Surrenderin		was the first time		LS rece		been issue				
- P					Documer	nt rei	issued Do	ocument					
Section 10 Transfer Record	Name Signature,	Date, Time	Name Signature,	Date, Tim	e Name Signatur	e, Na	me Signati	ure,	Time Date				
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F		//		+		$\dashv$							
		//											
Pa	I the AA confirms that all persons working under this Permit have been withdrawn from the Plant / Apparatus / Area covered Section 1. All equipment, tools and loose material have been removed and guards and access doors have been replaced,												
Section 11 Work completed	except for:	ment, tools a	nd loose material h	ave been re	emoved and guards	and acces	s doors r	nave beer	replaced,				
Se Work	Autho	orized Applic	cant Name, Da	ate, Time, S	ignature								
12	Confirmation of Woo	rk completion	. Resetting and res	storation									
Sect.	Senior Authorized or ERFC for gene	l Person ral safety or	nly		Name, Date, Time,	Signature							
SS	Release by Siemen	s shift super	risor/SAP commiss	ioning									
eadine	Mechanical systems	s: Action impl	emented										
ational r	Electrical systems:	Action impler	nented										
13 opera				Name	, Date, Time, Signa	ture							
Section 13 ration of op	Operational readine	ess restored a	ind if applicable, fu	nctional tes	performed YES	N D 8	10 🗆	N/A E	]				
Section 13 Resetting and restoration of operational readiness	Comments:												
tting :	Shift Supervisor info	ormed of syst	em readiness		YES	1 D	10 🗆	N/A E	1				
Rese	Senior Authorized Person: Name, Date, Time, Signature												
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	Name	Da	ite & Time	Signat	ure		Comn	nents					
Section 14 PTW Spot Check	Name	Da	ite & Time	Signal	ure		Comn	nents					





### Permit application, Review and Release



					PETRO	DNAS
SII	М	ENS PCP PROJECT	PERMIT TO WORK	PTW No. 009		
		Authorized Applicant (AA)				
		Name (In Block Letters)	Company	hone No		
		System (KKS):	Generic work Procedure: YES I if N			
		Room: (KKS):	Specific Method Statement / Risk Assessmen	nt Title or Number:	AA completes application	
	z					
	TIOI	Type and scope of work: ( Description of	work, where work will take place and when	n)	in blue ink until <u>Section 1a</u>	
	APPLICATION				and pass to PTWA/PTWO.	
	APF				and pass to PTVVA/PTVVO.	
	<del>-</del>					
	NOI				PTWA/PTWO checks application	
	SECTION	Other attached Drawings or Documents. S	Specify:			,
					Confirms approved documents,	
		Desired date and duration:	Signature AA			
_	Т	PTW Expiry Date: PTW Ext	PTW Extension Date II;	PTW Fritansion 2 to III:	ISSUES PTW NUMBER, forwards	
		11/01/2015			to ERFC for review and definition	1
		Date/Sign	nature con/com man Date/Signature con/com m	nan Date/Signature con/com man	an	
	on 2	☐ CATII ☐ CATII	☐ CAT III ☐ CAT IV ☐	CAT V CAT VI	of controls	
	Secti	Excavation Work ECC/Operational	Hot Work Radiography Conf	fined Spaces High Risk Activitie	tie .	
			safety requirements for Categories I to VI,	-	EDEC dotings works categories	
		tions and other working parties identified be known by the AA at the time of applic	by the Siemens Engineer responsible for ation	the Contractor which might not		,
	V 1	Install barriers / warning signs		ual fall protection: safety harness, stop life-line safety nets etc	Identifies general safety	
	ral S	Specify sp  Mandatory Hearing Protection Co	ecify Specifical protection – scaffold.	e compliance with special cleanliness		a of
	General	Mandatory Hearing Protection Co	EWP, scissor lift require		requirements e.g. Coordinatin	ig Oi
	3	Tools and equipment Ot	specify  Specify  ther working groups in area:	cal protection device - Residual Cur- evice (RCD) or Earth leakage circuit	activities in Section 2 & 3 and	signs
	Section	specify sp		er (ELCB)		
	Š	Other			at <u>Section 4</u> .	
	l	1 1				

DOZ 0SE Appendix 04







### Permit application, Review and Release

= -		h and width of the vation in meters:			Soil ca	ategory.	A	3 <del>  8 E</del>	С	1	
n Work	_	ch a detailed drawing of und	teraroun	d Sarvines		YES D	NO E		_		
Category Excavation V	-	Scan required before work of	_			YES []	NO E				
cava		Hand dig to locate un-		closed off		affic redirec			Prote		st excavation
Ē	"	derground cables and other services	7			ntro ler		-		pse for: A / Cat B / C	at C
s		High temperature		Imle	xplosion potentia	I / gas tests		Chemicals pr	otective	clothing or	other specific
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_	무	Fire fighting equipment	TET	Post-work	fire inspection		/entilation	v.	_	Explosion	potential / gas
≣ ¥	ш				, gas watch	141			ľ		nitoring per-
Category   Hot Work	┪	Specify Welding screens	╁	Respirator	y Protection:			d falling spark	┢	Other	
Hot		1		specify			rotection		"		
	_	<u></u>							上	<u> </u>	
	ategory IV Radiographic Examinations (See separate sheet)										
cate	ategory IV Radiographic Examinations (See separate sheet)  Air quality / gas / explosive Atmospheres test before entry by competent person and □ Daily Before Entry										
Cate	•	quality / gas / explosive Atmosp	oheres tes		ntry by competen			aily Before En	try		
	•	quality / gas / explosive Atmosp record resu	oheres tes ults on En ee attacher	st before en	ntry by competen	t person an	□A			ion I 🕞	Lighting:
	•	quality / gas / explosive Atmosp record resu (see	oheres tes sults on En ee attacher	st before en	ntry by competen	it person an	□A	fter Breaks ach Entry	/ventilati		Lighting; extra-low voltage
	•	quality / gas / explosive Atmosp record resi (see	oheres tes sults on En ee attacher 2 / gas esphere	st before en	competent wa maintain entry tached)	it person an itchman – exit log (at-	□A	ach Entry  Extraction fan(s) in o	/ventilati		extra-low
ace	•	quality / gas / explosive Atmosp record resi (see Continuous monitoring of Oz- monitoring / explosive atmos	oheres tes sults on En ee attacher 2 / gas esphere	st before en	competent wa maintain entry	it person an itchman – exit log (at-	□A	after Breaks Each Entry Extraction fan(s) in o specify	/ventilati		extra-low
	•	quality / gas / explosive Atmosp record rest (see Continuous monitoring of commonitoring / explosive atmost Respiratory / Breathing App	oheres tes sults on En ee attacher 2 / gas esphere	st before en	competent wa maintain entry tached) Rescue and en procedure	it person an itchman – exit log (at-	□A	after Breaks Each Entry Extraction fan(s) in o specify	/ventilati		extra-low
	Air q	quality / gas / explosive Atmosp record resi (see Continuous monitoring of O; monitoring / explosive atmos Respiratory / Breathing App. specify:	oheres tes sults on En se attacher l <sub>2</sub> / gas ssphere oaratus	st before en ntry and Ex ed sheet)	ntry by competen at Form  Competent wa maintain entry tached)  Rescue and en procedure  specify	at person an atchman – exit log (at- nergency		ofter Breaks ach Entry Extraction fan(s) in o specify Other	Ventilati peration	r.   <b>L</b>	extra-low voltage
	Air q	quality / gas / explosive Atmosp record rest (see Continuous monitoring of commonitoring / explosive atmost Respiratory / Breathing App	oheres tes sults on En ee attacher be // gas ssphere overatus	st before entry and Exed sheet)	ntry by competen at Form  Competent wa maintain entry tached)  Rescue and en procedure  specify  Site Instruction	at person an atchman – exit log (at- nergency	e specif	ifter Breaks iach Entry  Extraction fan(s) in o specify  Other	Ventilati	SSM on a	extra-low voltage
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confined space	Air q	juality / gas / explosive Atmosp record resigners / explosive Atmosp record resigners / explosive atmost / explosive / expl	cheres tes sults on En se attached by / gas sphere charatus are definination, ope- working ir	st before entity and Exited sheet)  and the entity	The state of the s	tt person an  tchman –  exit log (at- mergency  as or can b  drails, hand  a, working  Permit To	e specification of the extension of the	ster Breaks Each Entry  Extraction fan(s) in o specify  Other  Other	ted by \$	SSM on a etesting with the work)	extra-low voltage
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High Risk Activities confined space	Air q  Perm basis in or Addit  AI Spec	juality / gas / explosive Atmosp record resisting several resistance of the several resistance o	oheres teses utilities on Ende et altacher les estataches et altacher les e	st before entry and Exid sheet)  and end in the sening of general in doubt lifting Plan, crane	hty by competent we maintain entry tached)  Competent we maintain entry tached)  Rescue and en procedure specify  Site Instruction ratings or hand use at the specify of the specify of the specific entry tached in the sp	t person and technian – exit log (at- nergency ) is or can b drails, hand a, working Permit To ut of Exclusion (Explose)	e specific of a textern Work Cosion Zorn seed t	ach Entry ach Entry Extraction fan(s) in o specify Other	ted by sessure s, marin	SSM on a cresting with the work)  n drawing)  ne directions	extra-low voltage

ERFC specifies controls by circling or entering written narrative

ERFC specifies controls by circling or entering written narrative

ERFC and EHS Manager print names, date, time and sign confirmation specifies controls by circling or entering written narrative







### Permit application, Review and Release

EM	ENS PCP PROJ	ECT PERMI	T TO WO	RK	PTW No009			
Section 5	Appointed Senior Authorized P	erson	Name, Compan	у				
Section	Appointment by Commissioning	g Management	Name, Date, Time, Signature					
Section 6 Safety from the System - Measures	Isolation:: Isolation list: YES  Component(s) to be isolated	NO 🗆	System -spei	ushed urised	e-energized/isolated rounded/short-circuited			
Safety f	Actions defined by (Senior A	Authorized Person)		Commissioning Mana	ager:			
7	Confirmation of release and implementation of General Safety Measures	Release by Commissioning Shift Supervisor	r.					
Section 7	and Isolation Actions to obtain Safety from the System	Electrical systems: Action						
" <u>i</u>	Senior Authorized Person	System-specific EHS m implemented:	neasures	Name, Date, Time, Sign	natura			
Sect. 8 Work release	Work released by Commissioning Manager of	r Shift Supervisor or	Name, Date,	Time, Signature	TOTAL O			
Section 9 Performance	I the AA am fully responsible for pervisor on the General Safety ment and attachments and I wit a. The Local Supe b. the attached too Authorized Appl	requirements and measure: Il ensure that: rvisor gives a tool box talk o	s taken to achieve	Safety from the System	detailed in this docu-			
		Name, Date, Tim	e, Signature					

Construction Manager enters expiry date (Section 1b) prints name, date, time and signs WORK release at <u>Section 8</u>

Authorized Applicant prints name, date, time and signs accepting PTW at <u>Section 9</u>, PTW NOW IN SERVICE

P07-065 Appendix 01 Page 3 of





### Permit application, Review and Release



$\overline{}$	_		CT PE					009
	LS and AA ha	ave to transfer	the PTW docu	ment as if it w	as the first time the	PTW doc	ument had b	een issued
ē	LS receiving	Document	LS Surrender	ing Document	AA reissuing Document	LS r	receiving d Document	
5 2	Name Signature,	Date, Time	Name Signature,	Date, Time	Name Signature,	Name Si		Time Date
r Re								
ect								
Section 10 Transfer Record								
_	I the AA confirms	that all persons	working under th	is Permit have I	been withdrawn from t	he Plant /	Apparatus / A	rea covered i
Section 11 Work completed	1		_		oved and guards and a			
ĔĒ	except for.							
50								
ž	A	animad Applia						
5	Autr	orized Applic	Name. D	ate. Time. Sign	ature			<u> </u>
۸.	Confirmation of W	ork completion.	Resetting and re	storation				
t. 12	of Operational rea	diness if require	ed.					
Sect.	Senior Authorize or ERFC for gen	ed Person	h.	Na	me, Date, Time, Sign	ature		
	of ERFC for gen	erai salety ori	iy					
	Release by Sieme	ns shift supervi	sor/SAP commis	sioning				
655								
adin	Mechanical system	ns: Action imple	emented					
1								
Section 13 and restoration of operational readin	Electrical systems	: Action implem	ented					
rat								
5 9					ate, Time, Signature			
io i	Operational reading	ess restored a	nd if applicable, fu	unctional test pe	erformed YES	NO E	□ N/A □	
Section 13	Comments:							
stor.								
2								
ä								
	Shift Supervisor in	formed of syste	em readiness		YES 🗆	NO E	□ N/A □	
į		d Porcon						
setting								
Resetting	Senior Authorize	a i oroon.						
Resetting	Senior Authorize			Name, D	ate, Time, Signature			
	Senior Authorize		te & Time	Name, Da		Co	omments	
			te & Time			Co	omments	
			te & Time			Co	omments	
			te & Time			Co	omments	
PTW Spot Check Resetting			te & Time			Co	omments	

AA records transfer of custody of PTW to Local Supervisor (If required)

**AA signs to confirm PTW CLOSED** 

Record of spot checks of works execution, EHS / ERFC / CSM

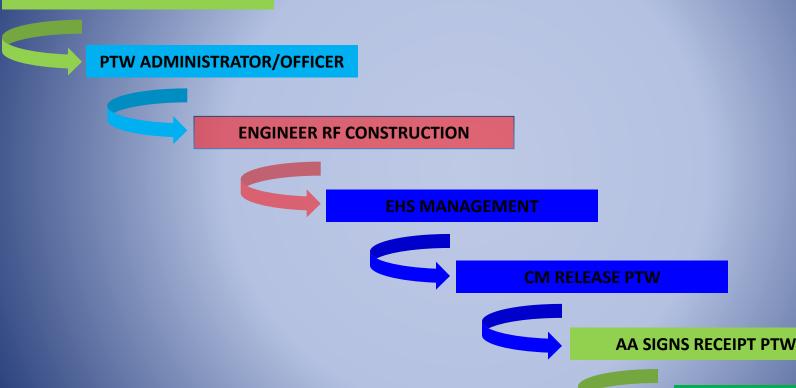




#### PERMIT TO WORK FLOW

**AUTHORISED APPLICANT** 



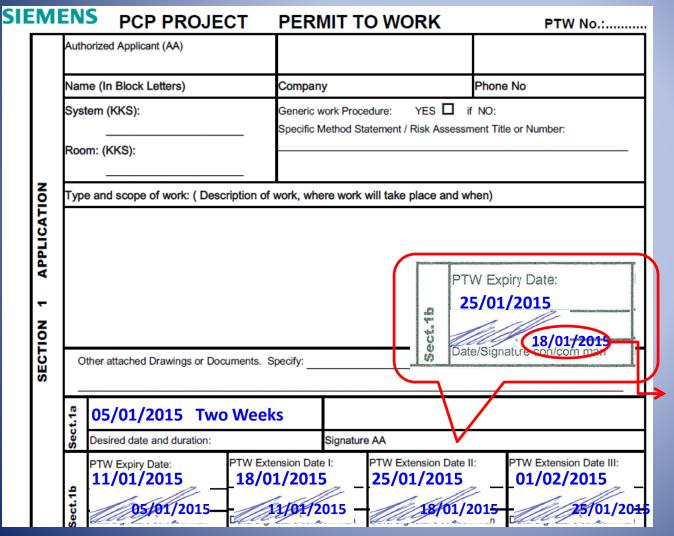


WORK STARTS





#### **Permit Extensions**





All in service PTW are entered to expire on Sunday evenings. In Service PTW are recalled every THURSDAY for review by CSM and close/extension

PTWA/PTWO recalls in service PTW from AA 10:00 every Thursday. PTWA/PTWO give to Construction Manager and enters next expiry date and signs

Construction Manager signs to Confirm 7 day extension





### Permit Database, Record Entry, Reporting



SIEMENS Pengerang PCP

**PTW-Database** 

- Pengerang PCP PTW Database
- Open PTW Reports/ List of Responsible Persons
- Registration of Authorised Applicants
- Registration of Senior Authorised Persons
- Registration of Persons Authorised for Switching Actions
- Registration of Companies



**Close Database** 







### Permit Database, Record Entry, Reporting



SIEN	IENS P	engeran	g PCP	Report: PTWs out for Works	89		PTW-C
PTW	Issuing Date	Expiry Date	KKS	Work Description	Applicant	Company	Outage required
Nr.	Work Completed	Closing Date	Location		Senior Authorised P.	Remarks	
PTW-Nr.:	1/24/2014	2/23/2014	10UMC	generator pre alignment and peripherals assembly work.	M. RADHA	D&Y	
692			Turbine building		BEN DODDS	RA_035	'
PTW-Nr.:	1/24/2014	2/23/2014	10UMC	Condenser peripherals assembly work.	M. RADHA	D&Y	
693			Turbine Building		BEN DODDS	RA_040, LP_10.10,	LP_016.01
PTW-Nr.:	1/24/2014	2/23/2014	UEY	Insyallation of BOP piping, its support and welding, cutting and	ABDUL SALAM	JEL	
694			UEY	scaffolding at UEY area.	DOMINIK RICHTSCHE	RA_013, LP_014.28	
PTW-Nr.:	1/24/2014	2/23/2014	00UEJ	Installation of BOP piping, its support and welding, cutting and	ABDUL SALAM	JEL	
695			Oil tank	scaffolding at UEJ area.	DOMINIK RICHTSCHE	RA_013,LP_014.28	1.
PTW-Nr.:	1/24/2014	2/23/2014	10UMY	Installation of BOP piping, its support and welding, cutting and	ABDUL SALAM	JEL	
696				scaffolding at 10UMY area	DOMINIK RICHTSCHE	RA_013, LP_014.28	
PTW-Nr.:	1/24/2014	2/23/2014	ULA	Installation of BOP piping, its support and welding, cutting and	ABDUL SALAM	JEL	
697			ULA area	scaffolding at ULA area	DOMINIK RICHTSCHE	RA_013, LP_014.28	'
PTW-Nr.:	1/24/2014	2/23/2014		Welding work at laydown area	WENDELL SUAREZ	E&I APECO	
699			Laydown Area		TIMO NOLTE	RA_002	
PTW-Nr.:	1/24/2014	2/23/2014	UBA	Installation of cable trays supports system at UBA area	P. MUTHU	E&I APECO	
700					TIMO NOLTE	RA_008	
PTW-Nr.:	1/24/2014	2/23/2014	UEY&10UMY	Installation of cable tray support system at 10UEY & 10UMY area	MUTHU	E&I APECO	
701			UEY&10UMY		TIMO NOLTE	RA_008	
PTW-Nr.:	1/24/2014	2/23/2014	10UMY & 10UEY	Scaffold erection at 10UMY and 10UEY	P. MUTHU	E&I APECO	
702					TIMO NOLTE	RA_010 Rev 4	
PTW-Nr.:	1/24/2014	2/23/2014	10UMC	Scaffold erection at 10UMC arae	P. MUTHU	E&I APECO	
703			Turbine building		TIMO NOLTE	RA_010 Rev B	

Tuesday, December 30, 2014

