Kuny'P q0' < Kuny'3" Kuny'F cyg" < Lcpwct { "423; " Rtqlgev'P q0\( \) 3838"

# GEQRCTMQRGTCVKQP"

S WCTVGTN[ 'GPXKTQPOGPVCN''
O QPKVQTKPI '( 'CWFKV'TGRQTV''
\*QEVQDGT'6'FGEGODGT'423: +''

Rtgrctgf 'D{<

Cnnkgf'GPxkTQPOGPVCn'EQPUWNVCPVU'NVF0'

EQOOGTEKCN/KP/EQPHKFGPEG"





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# **ECOPARK OPERATION**

QUARTERLY ENVIRONMENTAL MONITORING & AUDIT REPORT (OCTOBER – DECEMBER 2018)

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**COMMERCIAL-IN-CONFIDENCE** 

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Independent Environmental Checker

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Principal Environmental Protection Officer Environmental Protection Department

Kurwg'P q0' < Kurwg'3"

Kurwg'F cvg" < Lcpwct { "423; "

Rtqlgev'P q0' 3838"

# GEQRCTMQRGTCVKQP"

S WCTVGTN[ 'GPXKTQPO GPVCN''
O QPKVQTKPI '( 'CWFKV'TGRQTV''
\*QEVQDGT'Ó'F GEGO DGT'423: +''

Rtgrctgf 'D{<

CNNKGF 'GPXKTOPO GPVCN'EOPUWNVCPVU'NVFO'

EQOOGTEKCN/KP/EQPHKFGPEG"

Cwj qt<' Xctkqwu"

Ej gengf <

I tceg'O 0J 0MY QM'

DGpi \*J qpu+"HHJ MKS GR'O J MKGKC" O KCKC"O TCRC'O KUY C"O J MKQC" O CGG"NGGF "CR"DGCO Rtq"ECR I D"Heewn{" Crrtqxgf <

Lco gu'Y 0J 0Y QPI "

DUE'O UE'RJ F 'EGpi 'O KO gej G'O J MKS GR'''
O J MKGKC'O KQC'O J MKQC'O KQG'O EKDUG''
HJ MCCUV'TRG'TGC'O CUQU'O KEVC'EVDWJ "
O UNN'DGCO 'Rtq'I D'Hzewn{'''

Vj ku'tgrqtv'j cu'dggp'rtgrctgf "d{"Cmigf "Gpxktqpo gpvcn'Eqpuwucpwi'Nlo ksgf "y kj "cmitgcutpcdng"umkm"ectg"cpf "f kiki gpeg"y kj lp"vj g"vgto u'qh"vj g"Ci tggo gpv'y kj "vj g"enkgpv "lpeqtrqtcvlpi "qwt" I gpgtcn' Vgto u'cpf "Eqpf kklppu'qhtDwikpgwi'cpf "cmipi "ceeqwpv'qh'vj g'tguyutegwi' gaywf "yq'k'd{"ci tggo gpv'y kj "vj g"enkgpv"

 $Y \ g"f \ \textit{kuencho} \ "cp{ "tgur qpuld \ \textit{knlw}{ "vq" ij g"enlgpv" cpf "qvj gtu" \ lp" tgur gev" qh" cp{ "o cwgtu" qwuldf g" ij g"ueqr g"qh" iy g"cdqxg0" }$ 

S wet vgt n 'Gpxkt qpo gpvcnO qpkqt kpi '( 'Cwf ky'T gr qt v'\*Qevqdgt '6'F gego dgt '423: +''

# ( ° "ž1 OF , #" (1" ( '

N	HV'Q	H'HN WTGU'	lk
N	KV'Q	H'VCDNGU'	llk
N	KV'Q	H'CRRGP F NE GU'	llk
G	ZŒV	WIXG'UWO O CT[ "	3
3	RT	QLGEV'DCEMI TQWPF''	6
	3 <b>B</b>	Rtqlgev'Qxgtxkgy "	6
	304	Qrgtcvkqp'Rtqi tco o g"	6
	<i>30</i> 5	Rtqlgev'Qti cpk  cvkqp"cpf 'Eqpvcev'Rgtuqppgn'	7
4	UW	OOCT['QHGO(C'TGS WKTGOGPV''	:
	403	Oqpkqtkpi "Reteo gvgtu"	:
	404	Gpxktqpo gpvcrlS wcrlw{ 'Rgt lqt o cpeg'Nko kw'cpf 'GCR''	:
	405	Gpxktqpo gpvcrlCvf k/'qhlPqp/Oqpkqtgf 'Rctco gvgtu''	;
	406	Gpxkt qpo gpvc n'O kki c vkqp "O gc uwt gu"	;
	407	Gpxktqpo gpvcrlTgsvktgo gpvl'kp'Vgpcpe{ 'Ci tggo gpvl''	;
5	QR	CGTCVKQP'UVCVWU''	33
	5 <b>B</b>	I gpgtcn''	33
	504	Ej co ry c{"Vgej pqrqi {"Nko kgf"	33
	5Œ	Uj kw'Y kpi "Usggr!Nko ksgf"	33
	506	J qpi "Mqpi "Dkqo cuu"*Y qqf +'Eqmgev'cpf "Tge{eng'Eqo rcp{"Nko kvgf"	33
	507	NkVqpi 'I tqwr"	34
	508	J R'Vgrhqtf 'Gpxkt qvgej 'I t qwr 'Nko kvgf ''	34
	509	Y GGG"T glwt dluj o gpv'c v'Nqv'R7"	34
	<i>50</i>	Ej wpi '[ wg'UggrlI tqwr'Eqo rcp{'Nko kgf''	34
	5Q	MOY cj "Eqpust weskqp"Rt qf wesu"Nsf 0'	35
	5032	Uqwij 'Ej kpc'Tgdqtp'Tguqwtegu'*∖j qpi uj cp+'Eqo rcp{ 'Nvf0'	35
	5033	Y GGGCRCTM"	35
	5034	Qp'Hcv'Nwpi 'Kppqxcvkxg'Tguqwtegu'Nvf0'	36
	5035	Vj t qwi j rw/Uc kukeu"	36
	5036	Rt qeguu'T gxkgy "	37
6	Ю	RNGO GP VCVKQP 'UVCVWU'QH'GP XKT QP O GP VCN'RT QVGE VKQP 'O GCUWT GU''	39
7	00	QPKVQTKPI 'TGUWNVU''	3:
	7 <i>0</i> 3	Oqpkqt kpi 'F cvg.'Vko g.'Ht gs wgpe{ 'cpf 'F wt cvkqp''	<i>3:</i>
	704	O qpkqtkpi 'O gvj qf qrqi {.'Rctco gvgtu'cpf 'Gs wkro gpv'	<i>3:</i>

Kuwg'3<u>''</u> CGE"

	nQrgtcvkqp'' nf 'Gpxktqpo-gpvcnO qpkqtkpi '(-'Cwf k/Tgrqtv'*Oevqdgt'6'Fgego-dgt'423: +''			
705	Tguwnu'cpf 'I tcrj kecn'Rnqw'qh'O qpkqtkpi 'Rctco gvgtu''	3;		
UW	O O CT[ 'QH'GPXKTQPO GPVCN'CWFKV''	42		
8 <b>B</b>	I gpgtcn'	42		
804	Ej co ry c{ 'Vgej pqrqi { 'Nko kgf "	42		
805	Uj kw'Y kpi 'Uggrl'Nko kgf ''	43		
806	J qpi 'Mqpi 'Dkqo cuu'*Y qqf +'Eqmgev'cpf 'Tge{eng'Eqo rcp{ 'Nko kgf ''	43		
807	J R'Vgrlqtf 'Gpxktqvgej 'I tqwr 'Nko kgf "	44		
808	Ej wpi '[ wg'UggdI tqwr'Eqo rcp{'Nko kgf''	44		
809	MOY cj 'Eqpust weskqp'Rt qf wesu'Nko kgf "	44		
80	Uqwj 'Ej kpc'Tgdqtp'Tguqwtegu'*∖ j qpi uj cp+'Eqo rcp{'Nko kgf 0'	45		
8 <i>Q</i>	GOVgej "O cpci go gpv'*J M+'Nko kgf 0'	46		
8082	Y GGGRCTM"	46		
8 <i>Œ3</i>	Qp"Hcv"Nwpi "Kppqxcvkxg"Tguqwt egu"Nko kgf "	46		
8034	I gpgtcnEqpf kkqp'qhGeqRctm'	47		
	XKTQPOGPVCN'EQORNCKPVU.'PQVKHKECVKQP'QH'UWOOQPU'CPF'UWE			
QU 9B	EWKQP'' Hqnqy/wr''qp'Rt gxkqwu''Gpxkt qpo gpvcn'Eqo r nckpv''	<b>49</b> 49		
904	Pgy 'Gpxktqpo gpwn'Eqo rwkpv'kp''sj g'Tgrqtskpi 'Rgtkqf''	49		
EQ	PENWUQPU'	4:		
	"			
	"			
	NKUV'QH'HK WTGU''			
iwtg'				
iwtg' iwtg'				
iwtg'				
_	wtg"5/3" Ewttgpv'Nqv'Wuci g'y kj kp'GeqRctm'			

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GeqRctmlQrgtcvlqp"

Vcdrg'8032""

S wet vgt rf 'Gpxkt qpo gpwchO qpksqt kpi '( 'Cwf ks'Tgr qt v'\*Qevqdgt '6'F gego dgt '423: +''

"

NKUV'QH'VCDNGU''

Vcdrg'303" GO ( C'Rgtuqppgn'Eqpvcev'F gvckru" Qr gtcvkqp''Rj cug''NHI 'O qpkqtkpi 'Nqecvkqpu'kp'GeqRctm' Vcdrg"403" Vcdrg''404''' Cevkqp'Ngxgni.'Nko ki'Ngxgni'cpf 'Gxgpv'cpf 'Cevkqp''Rrcp'hqt'NHI " Vcdrg"503"" Vjtqwijrw/'Ucvkukleu'hqt''yjg''Tgrqtvkpi''S wctvgt'' Vcdrg'703'" Uco rnkpi "Uej gf wrg'hqt" yj g'S wct vgtn( "NHI 'O qpkqtkpi " Vcdrg'704'" Reteo gygtu'cpf 'O geuwtgo gpy'Tepi gu'hqt'NHI 'O qpkqtkpi " Vcdrg'705'" Swctvgtn{'NHI 'Oqpkqtkpi 'Tguwnu'kp'vj g'Tgrqtvkpi 'Swctvgt'' Vcdrg'803'" Gpxktqpo gpvcn'Cwfkv'Hkpfkpiu'hqt'Ejcoryc{' Vcdrg'804'" Gpxktqpo gpvcn'Cwf k/'Hkpf kpi u'hqt''Uj kw'Y kpi ' Vcdrg'805'" Gpxktqpo gpvcn'Cwfkv'Hkpfkpiu'hqt'JM'Dkqo cuu' Vcdrg''806'" Gpxktqpo gpvcn'Cwfkv'Hkpfkpiu'hqt''JR''Vgrhqtf'' Vcdrg'807'" Gpxktqpo gpvcn'Cwf kv'Hkpf kpi u'hqt'Ej wpi '[ wg'' Vcdrg'808'" Gpxktqpo gpvcn'Cwfkv'Hkpfkpiu'hqt'MOYcj' Vcdrg'809"" Gpxktqpo gpvcn'Cwfkv'Hkpfkpi u'hqt''Uqwij 'Ejkpc'' Vcdrg'80 "" Gpxktqpo gpvcn'Cwfkv'Hkpfkpi u'hqt'G0Vgej " Vcdrg'80 '"' Gpxktqpo gpvcn'Cwf k/Hkpf kpi u'hqt 'Cndc'KY U'

Vcdrg'803'" I gpgtcrl'GeqRctrl'Cwf k'Hkpf kpi u"

Vcdrg": 06" Vj tqwi j r wy"Ucykuyleu'hqt 'yj g'Tgr qtykpi 'S wctygt"

NKUV'QH'CRRGP F KE GU'

• •

Crrgpf kz"3" "Gpxktqpo gpvcn'O kki cvkqp"O gcuwtgu"\*htqo "vj g"Ko rngo gpvcvkqp"Uej gf wng+"

Gpxktqpo gpvcn'Cwfkv'Hkpfkpi u'hqt'Qp'Hcv'Nwpi"

Crrgpf kz"4" " Gpxktqpo gpvcn'Tgs wktgo gpwi'kp"Vgpcpe{"Ci tggo gpvu'"

Crrgpf kz"403" " Gpxktqpo gpvcn'Tgs wktgo gpwl'kp"Vgpcpe{ "Ci tggo gpwl' kPj cug"3+" Gpxktqpo gpvcn'Tgs wktgo gpwl'kp"Vgpcpe{ "Ci tggo gpwl' kPj cug"4+"

Crrgpf kz"5" "O cvgtkcn'cpf "Y cuvg"Vj tqwi j r wu"

Crrgpf kz '503" " O cyętken'epf "Y cuyg "Vj tqwi j r wu'qh'yj g 'Tgrqt kpi 'S wetygt"

Crrgpf kz '504'' " Wrf cvgu'qh'Rtgxkqwun{/Tgrqtvgf 'O cvgtkcn'cpf 'Y cuvg'Vj tqwi j r wu''

Crrgpf kz "6"" " Ecnkdtcvkqp" Egt vkhlecvg "qh' Koht ctgf "I cu "Cpcn (ugt "

Crrgpf kz'7" " Ncdqtcvqt { "Vguv'Tgrqtv'cpf "I tcrj kecn'Rnqvu'qh'NHI 'O qpkqtkpi " Vgpcpv Ur gekhle 'Cwf kv'Ej gemkuvu'hqt''yj g'Tgrqtvkpi 'S wctvgt"

Crrgpfkz'803'"' Ej coryc{"Vgej pqnqi {"Nvf"

Crrgpf kz'804" " Uj kw'Y kpi "Uvggn'Nvf"

Crrgpf kz'805" " J qpi 'Mqpi 'Dkqo cuu'\*Y qqf +'Eqmgev'cpf 'Tge{eng'Eqorcp{'Nvf''

Crrgpf kz'806" " J R'Vgrlqtf 'Gpxktqvgej 'I tqwr 'Nvf "
Crrgpf kz'807'" " Ej wpi '[ wg'Uvggn'I tqwr 'Eq'Nvf "
Crrgpf kz'808" " MOY cj 'Eqpuvtwevkqp'Rtqf wevi'Nvf "

Crrgpf kz'809" " Uqwj 'Ej kpc'Tgdqtp'Tguqwtegu'\*\ j qpi uj cp+'Eq''Nvf''

Crrgpf kz'80 " " GOVgej 'O cpci go gpv'\*J M+''Nvf "

Crrgpf kz'80 " " Y GGGRCTM"

Crrgpfkz'8032''' Qp'Hcv'Nwpi 'Kppqxcvkxg'Tguqwtegu'Nko kgf''

Crrgpfkz'803''' I gpgtcn'GeqRctm'Ej gemkuvu''

King'3" "CGE"

GeqRctmQrgtcvkqp" "

S wct vgt rf 'Gpxkt qpo gpvcriO qpksqt kpi '( 'Cwf kv'Tgr qt v'\*Qevqdgt '6'F gego dgt '423: +''

## GZGEWKXG'UWO O CT[ "

#### I gpgtch'

GeqRctm'ku''c'mg{"grgo gpv'kp"yi g"I qxgtpo gpvxu''y cuvg"o cpci go gpv'r qrke{"yi cv'cko u''cv'r tqo qvkpi "yi g" mecn' tge{erkpi " kpf wuxt{" d{" r tqxkf kpi " mpi /vgto " mpf " cv' chhqtf cdrg" tgpvu." yi gtgd{" gpeqwtci kpi " kpxguvo gpv' kp" cf xcpegf " vgej pqmi {" cpf " xcrwg/cf f gf " tge{erkpi " r tqeguugu0' GeqRctm' ku" dgkpi " f gxgrqr gf "kp"wy q"r j cugu"cv'uksg"kp"Vwgp"O wp"Ctgc"5: "cu"uj qy p"kp"\*\*\*\* wtg'3/30"Vj g"eqpvtcev'hqt"yi g" o cpci go gpv' qh' GeqRctm' ó" Eqpvtcev' P q0' GRIUR 193 135" Rt qxkukqp" qh' O cpci go gpv'' Ugt xkegu" hqt" GeqRctm' 4236"y cu"cy ctf gf "vq" Wtdcp"Rtqr gtv{"O cpci go gpv''Nko kxgf "\*WRO N+"d{"Gpxktqpo gpvcn' Rtqvgevkqp"F gr ctvo gpv'\*\*GRF +"ghhgevkxg"htqo "52" "Qevqdgt"4236"cpf "eqo r ngvgf "qp"4; yi "Qevqdgt"423: 0' WRO N" eqpvkpwgu" y kyj " cpqyj gt" 6/{gct" o cpci go gpv''Ugt xkegu''hqt 'GeqRctm' wpf gt" c" pgy " eqpvtcev' 6" Eqpvtcev'P q0'GR IUR 1324 139"Rt qxkukqp"qh'O cpci go gpv''Ugt xkegu''hqt 'GeqRctm'423: "ghhgevkxg'htqo "52" Qevqdgt"423: 0"

WRO N."vj g"õQr gtcvqtö"qh'GeqRctm"j cxg"cr r qkpvgf "Cmkgf "Gpxktqpo gpvcn'Eqpuwncpwi"Nvf 0\*CGE+"cu" vj g"Gpxktqpo gpvcn'Vgco "\*GV+"vq"ectt { "qwv"yj g"Gpxktqpo gpvcn'O qpkvqtkpi "cpf "Cwf kv"\*GO ( C+"y qtmu" hqt" vj g" qr gtcvkqp" qh" GeqRctm' cu" tgs wktgf " d { " vj g" GO ( C" O cpvcn' cpf " kp" ceeqtf cpeg" y kyj " vj g" eqpf kklqpu"qh'vj g'Gpxktqpo gpvcn'Rgto kv'\*GR+'\*GR/448142271H+0'

Vj ku''ku''y g''hqtv{/ugxgpyj "\*69<sup>yj</sup> +"s wctvgtn{"GO ( C"tgr qtv'r tgr ctgf "hqt"yj g"qr gtcvkqp"r j cug"qh''GeqRctm' cpf "eqxgtu"yj g"s wctvgt"htqo "Qevqdgt"vq"F gego dgt"423: 0'Kp"yj g"tgr qtvkpi "s wctvgt."yj gtg"y gtg"ggxgp" vgpcpwi'kp''GeqRctm'Rj cug''3"cpf "Rj cug''4."qpg'qr gtcvqt"qh''Y GGG'T ghwtdkuj o gpv'cpf "Y GGG'RCTM'kp" GeqRctm'Rj cug''4."cpf "qpg'\vgpcpv'y j qug'\vgpcpe{ "gzr ktgf 0'Vj g"f gvcku'ctg''r tqxkf gf "cu'dgrqy <"

Rj cug'3'\gpcpw'eqo r tkug<'

- •Á Ej co r y c{"Vgej pqmi {"Nko kgf" Ej co r y c{+"ó"Y cuvg" eqqmkpi "qkn"
- •Á Uj kw'Y kpi 'Uvggn'Nko kyf '\*Uj kw'Y kpi +'6'Y cuvg'o gvcnu'
- •Á J qpi "Mqpi "Dkqo cuu"\*Y qqf +"Eqmgev"cpf "Tge{eng"Eqo r cp{"Nvf0'\*J M"Dkqo cuu+"6"Y cuvg" y qqf"
- •Á Dci wkq"Y cuvg"O cpci go gpv" ( "Tge{enkpi "Nko kvgf" \*Dci wkq+" ó"Y cuvg"r ncuvkeu" \*ukpeg" 4; <sup>vj</sup> "Pqxgo dgt '423: +'"'
- •Á J R''Vgrhqtf 'Gpxktqvgej 'I tqwr 'Nko kvgf '\*J R''Vgrhqtf +''ó''Y cuvg'r ncuvkeu''

Rj cug'4"\gpcpvu'cpf "qr gtcvqt"eqo r tkug<"

- •Á MOY cj "Eqpurt we vkqp" Rtqf we vu" Nvf "\*MOY cj +"6" Y cuvg" eqpurt we vkqp" o cvgt kcnuly cuvg" i rcuu"
- •Á GOVgej "O cpci go gpv"\*J M+"Nvf "\*GOVgej +"6"Y GGG"
- •Á Qp'Hcv'Nwpi 'Kppqxcvkxg'Tguqwtegu'Nvf '\*Qp'Hcv'Nwpi +"ó''Y cuvg'twddgt''v{tgu''
- •Á Ej wpi '[ wg''Uvggn'I tqwr 'Eqo r cp{ ''Nvf '\*Ej wpi '[ wg+"ó''Y cuvg''o gvcnı''
- $\bullet \acute{A} \quad J \; qpi \; "Mqpi \; "Dcwgt \{ \; 'Tge \{ erkpi \; 'Egpvtg' \; Nwf \; 0 \; "J \; MDTE + "\'o" \; Y \; cuvg' \; "gcf / cekf \; "dcwgt \; kgu" \; \}$
- •Á Uqwj 'Ej kpc'Tgdqtp'Tguqwtegu'¾ j qpi uj cp+'Eq''Nvf '¾Uqwj 'Ej kpc+'6''Hqqf 'y curg''

S wet vgt n 'Gpxkt gpo gpvcnO gpksqt kpi '( 'Cwf ks'Tgr qt v'\*Oevqdgt '6'F gego dgt '423: +'

۰Á Y GGG" Tghwtdkuj o gpv" qr gtcvgf " d { " Cmlc" Kovgi tcvgf " Y cuvg" Uqnwkqpu" \*J qpi " Mqpi +" Nvf " \*Y GGG"T ghwtdkuj o gpv+"\*T ge { enkpi "cevkxkv{"cv"Nqv"R7"uwur gpf gf "chwgt"6\" "Lwpg"423: "cpf " r quuguulqp"qh"Nqv"R7"y cu'tgwtpgf "\q"GRF "qp"4; ""P qxgo dgt"423: +"6"Y GGG"

Y GGGRCTM'qr gtcvgf "d{ "Crdc" Kpvgi tcvgf "Y cuvg" Uqnwlqpu "\*J qpi "Mqpi + "Nvf "\*Y GGGRCTM+" ó"Y GGG"

Vgpcpe{ ''qh'qpg''vgpcpv'y cu''gzr ktgf <''

Nk'Vqpi "I tqwr "\*Nk'Vqpi +"6"Y cuvg"Grgevtlecn'cpf "Grgevtqpke"Gs wkr o gpv'\*Y GGG+"\*gzr ktgf "qp" 4: <sup>y</sup> 'P qxgo dgt'423: +"

Tge{enkpi "cevkxkkgu"qh"Y GGGRCTM"cpf "vj g"hqmqy kpi "pkpg"vgpcpvu"y gtg"cwf kxgf "kp"vj g"tgr qtvkpi " s wct vgt <"Ej cory c{."Uj kw"Y kpi ."J M"Dkqo cuu."J R"Vgrhqtf ."MOY cj ."GOVgej ."Qp"Hcv"Nwpi ."Ej wpi " [ wg"cpf "Uqwj "Ej kpc0'Nqv'wpf gt"f gxgrqr o gpv'd { "J MDTE."rqv'wpf gt"f go qrkxkqp"cpf "tgkpuvcvgo gpv' d{"Nk'Vqpi."cpf "mv'wpf gt"ukg"ergctcpeg"d{"Y GGG"Tghwtdkuj o gpv'y gtg"kpur gevgf "dw'pqv'cwf kgf" wpf gt "yj g 'GO ( C'r tqi tco o g 'f wtkpi "yj g 'tgr qt kpi "s wct vgt." cu 'pq 'tge { enkpi "ce kkxkkgu 'y gtg 'eqpf we vgf 0' Pq"tge{enkpi "cevkxkv{"j cu"dggp"ecttkgf "qwv"kp"Nk"Vqpi "%lQg0"Nqv"R8+"ukpeg"3""Pqxgo dgt"4239."cpf "kw" vgpcpe{"gpf gf "qp"4: "P qxgo dgt"423: "chvgt"eqo r rgvkqp"qh"vj g"rqv"tgkpuvcvgo gpv"y qtmu0"Vj g"rqv"y cu" yj gp0'Tge{enkpi "cevkxkv{"qh"Y GGG"Tghwtdkuj o gpv'cv'Nqv'R7"j cf "uwur gpf gf "chygt"6\" "Lwpg"423: "cpf" r quuguukqp"qh"Nqv"R7"y cu"tgwtpgf "\q"GRF "qp"4; <sup>y</sup> "P qxgo dgt"423: "chygt"ukyg"engctcpeg0"

Kp''y ku'tgrqtkpi 's wctygt.'uksg'kpur gevkqpu'y gtg'eqpf weygf 'd { ''y g'Qr gtcyqt'cpf ''y g'GV'qp'46 '' 'Qeyqdgt.'' 42<sup>y</sup> "P qxgo dgt"cpf "35<sup>y</sup> "F gego dgt"423: 0 KGE "cnq"ecttkgf "qw/tcpf qo "uksg"cwf ku "qp"46<sup>y</sup> "Qevqdgt"cpf" 35<sup>yj</sup> "F gego dgt"423: 0'C"s wctvgtn{"|qkpv'uksg"kpur gevkqp"y cu"ecttkgf "qw"d{"yj g"Qr gtcvqt."yj g"KGE"cpf" yi g'GV'qp'42<sup>y</sup> 'P qxgo dgt'423: 0'

#### Vj tqwi j rwyddO cygtleni'l Y cuyg'I gpgtcygf "

Vj g'vj tqwi j r wu'qh'Y GGGRCTM'cpf 'vj g'plpg'cevlxg'vgpcpvu'lp'vj g'tgrqtvlpi 's wctvgt'ctg'uwo o ctkugf " dgmy O'Rngcug' pqvg''yj cv'r tqf wev'qwwr wv'r nwu''y cuvg''f kur qucn'f qgu''pqv'pgeguuctkn( ''gs wcn'yj g'y cuvg''kpr wv.'' f wg'\q'o cvgtlcn'iquugu'f wtkpi 'r tqeguukpi 'cpf 'o cvgtlcn'tgvckpgf 'y kj kp'\j g''nqvu0'

O cvgt kcdV{ r g''	Y cwg'Kprw''' *wppgu+'	Rt qf wev'Qwr wy <sup>'6</sup> "' *wqppgu+''	Y cwg'F kir qugf '**'' *vqppgu+''
Y cuvg''Qti cpke''Hqqf''	6: 9"	743"	96"
Y cuvg'Hgttqwu'O gvcnu''	54.: 89"	53.324"	365"
Y cuvg"Y qqf"	472"	37: "	/"
Y cuvg'Grgevtqpkeu"	3; 8"	43; "	93"
Y cuvg''Rrcuvleu''	676"	656"	/"
Eqpurt werkqp"Y curg"	4.375"	34.789"	53"
Y cuvg'I ncuu'"	55: "	34.789	33
Y cuvg'Twddgt'V{tgu"	pk"	pk"	pk"

#### <u>Pqvgu</u>∠''

CGE" Kuwg'3<u>''</u>

<sup>3+</sup>ÁVjg" vjtqwijrw''fcvc" rtgugpvgf" cdqxg" ku" vjg" dguv' cxckrcdrg" fcvc" cpf" jcu" dggp" tqwpfgf" qlht' vq" vjg" pgctguv' yjqrg" vqppg" hqt" rtgugpvcvkqp0"

<sup>4-</sup>ÁVj g"vqvcn"r tqf wev"qwr wv"o c{"pqv"dg"vj g"uco g"cu"vj g"y cuvg"kpr wv"f wg"vq"r tqeguukpi "qh"o cvgtkcnu"vj cv"y gtg"tgegkxgf "dghqtg"vj g" tgrqtvkpi "s wctvgt"cpf "y gtg"uvqtgf "y kyj kp"vj g"nqvu0"

<sup>5+</sup>ÁY curg"f kur quen'tghgtu"vq"vj g"f kur quen'qh'i gpgten'tghwug"\*kQgO'r ceneci kpi +"cpf kqt"ej go keen'y curgO"

<sup>6-</sup>Á Ulpeg''y g'tge{enkpi "qh'y cuvg'i ncuu'cpf "eqpuvtwevkqp''y cuvg''ku''eqo dkpgf "'\q'r tqf weg''eqpetgvg''dnqeni'cv''MDY cj .''yj g''r tqf wev'qwvr wv''cpf " y cuvg'f kur qucn'htqo "dqvj 'r tqeguugu'ctg'eqo dkpgf 0'

<sup>7+</sup>Áõ/ö'lp''yj g''eqnwo p''qh''y cuvg''f kur qucn'f gpqygu'| gtq''s wcpvkv(=''y j krg''ōp k:o''f gpqygu''wpcxckrcdng''kphqto cvkqp0'

S wet vgt n 'Gpxkt qpo gpwnO qpkqt kpi '( 'Cwf k/Tgrqt v'\*Qevqdgt 'b'Fgego dgt '423: +''

5''

#### Gzeggf cpegu'qh'Cp{ 'O gcuwt gf 'Cevlqp'TNlo k'Ngxgnı''

Vj g"pqtvj gtp"r ctv'qh'GeqRctm'ku'nqecvgf "y ksj kp"vj g"4720 "Ncpf hkm'I cu'\*NHI +"Eqpuwncvkqp"\ qpg'qh" Uj kw'Ncpi "Uj wk'Ncpf hkm'INHI "o qpkqtkpi "f wtkpi "vj ku's wctvgt"y cu'wpf gtvcmgp"qp"35<sup>\*j</sup> "F gego dgt" 423: "cv'hkxg"nqecvkqpu'\*vj tgg'kp"Rj cug'3"cpf "vy q"kp"Rj cug'4+0P q"gzeggf cpeg"qh'Cevkqp"qt"Nko kv'Ngxgn' y cu'tgeqtf gf "kp"vj g'tgr qtvkpi "s wctvgt0'

#### Uwo o ct{'qh'Eqo r nclpvu.'Uwo o qpu'cpf 'Rt qugewkqpu''

P wo dgt" qh" eqo r rckpvi." uwo o qpu" cpf " uweeguuhwrl r tqugewkqpu" kp" yi g" tgr qtvkpi " s wctvgt" ctg" uwo o ctkugf "dgrqy 0'

- •Á Eqornchount\\ gtq0'
- •Á Uwo o qpu<\ gtq0'
- •A UweeguuhwiRt qugewkqpu<\ gtq0'

#### Tgrqt vkpi 'Ej cpi gu''

Vj g''eqpvtcev'hqt''yi g''o cpci go gpv''qh'GeqRctm'ó'Eqpvtcev'P q0'GRIUR193/35'Rt qxkukqp''qh'O cpci go gpv'' Ugtxkegu''hqt "GeqRctm'4236."y j kej "y cu''cy ctf gf "vq"WRO N."y cu''eqo r ngvgf "qp"4; ½ "Qevqdgt"423: 0'C" pgy "eqpvtcev''GRIUR1924139''Rt qxkukqp''qh'O cpci go gpv''Ugtxkegu''hqt "GeqRctm'423: "y cu''cy ctf gf "vq" WRO N''ghhgevkxg''htqo "52½ "Qevqdgt"423: 0'Uvctvkpi "htqo "P qxgo dgt"423: ."y g"KGE "qh''yi g''Rtqlgev''cnuq" ej cpi gu''htqo "O qw'O ceF qpcnf "J qpi "Mqpi "Nko kygf "O qwO ce+'vq''Qxg''Ctwr "( "Rctvpgtu''J qpi "Mqpi "Nxf 0'\*Ctwr +0'

#### Hwwt g'Mg{ 'Kuwgu''

••

Pq'ng{'kuuwgu'ctg'cpvkekr cvgf 'kp'vj g'pgzv'tgrqtvkpi 's wctvgt0'

6'

3' RTQLGEV'DCEMI TQWPF"

## 306 Rt qlgev'Qxgt xlgy "

- 30808Á Kp" yi g"f qewo gpv" \$C"Rqrke {"Hrco gy qtm" hqt" yi g"O cpci go gpv" qh"O wpkekr cn" Uqrkf "Y curg" \*4227" 64236 + \$." yi g"i qxgtpo gpv" qw" c"eqo r tgj gpukxg" r qrke {"vq" uwr r qtv" yi g"tge {erkpi "kpf wuxt {0'Vj ku"kpenxf gf "cmqecvkpi "uwkxcdrg" rcpf ." gpeqwtci kpi "tgugctej "cpf "f gxgrqr o gpv." kpvtqf wekpi "gpxktqpo gpvcn" rgi kurcvkqp" cpf "r tqxkf kpi "ghhgevkxg" uwr r qtv" o gcuwtgu0' Kp"O c {"4235." yi g" Gpxktqpo gpv" Dwtgcw' rcwpej gf "õJ qpi "Mqpi "Dnwgr tkpv" hqt" Uwuxckpcdrg" Wug" qh" Tguqwtegu' 4235" 6'4244ö. "y j kej 'r tqo kugf "eqpvkpwkpi "uwr r qtv' hqt" yi g'tge {erkpi 'kpf wuxt {0'
- 30804Á GeqRctm'y cu''f gxgmr gf "vq"uwr r qtv''y g"mqecn''tge{enkpi "kpf wwt{"d{"r tqxkf kpi "mqpi /vgto "mpf "cv''chhqtf cdmg" tgpvu." y gtgd{"gpeqwtci kpi "kpxguwo gpv''kp" cf xcpegf "vgej pqmi {"cpf" xcnwg/cf f gf 'tge{enkpi 'r tqeguugu0
- 30605 GeqRctm"cu"uj qy p"kp" \*\*Hki wt g'3/3."j cu"dggp"f gxgqqr gf "kp" Vwgp"O wp"Ctgc"5: "kp" w q"r j cugu" \*\*Rj cug3"cpf "Rj cug"4+"wpf gt "Eqpvtcev" \*\*GRIUR II 4 28"F gxgqqr o gpv" qh" GeqRctm" kp" Vwgp"O wp" Ct gc"5: ."y j kej "y cu"cy ctf gf "vq" Mcf gp" Eqpuvt we kqp" Nvf "d { "vj g" Gpxktqpo gpvcn" Rtqvge kqp" F gr ctvo gpv" \*\*GRF + "kp" Lwpg" 42280 "Rj cug" 3" eqpuvt we kqp" y cu"eqo r ngvgf "kp" Lwn { "422; "cpf" Rj cug" 4" eqpuvt we kqp" y cu"eqo r ngvgf "kp" P qxgo dgt" 42320"
- Vj g"eqpvtcev"hqt"vj g"o cpci go gpv"qh"GeqRctm"ó"Eqpvtcev"P q0'GRIUR 193 IS "Rt qxkukqp"qh"
  Ocpci go gpv"Ugt xkegu"hqt "GeqRctm"4236" y cu"cy ctf gf "vq"Wtdcp"Rtqr gtv\"O cpci go gpv"
  Nko kyf "\*WRO N+"d{"Gpxktqpo gpvcn"Rtqvgevkqp"F grctvo gpv"\*GRF +"ghlgevkxg"htqo "52<sup>\*j</sup>"
  Qevqdgt "4236"cpf "eqo r ngvgf "qp"4; <sup>\*j</sup> "Qevqdgt "423: 0'WRO N"eqpvkpwgu"y kj "cpqvj gt"6/{gct"
  o cpci go gpv"ugtxkeg" qh" GeqRctm" wpf gt" c" pgy "eqpvtcev" o" Eqpvtcev" P q0'GRIUR 1324 I39"
  Rt qxkukqp"qh"O cpci go gpv"Ugtxkegu"hqt "GeqRctm"423: "ghlgevkxg"htqo "52<sup>\*j</sup>"Qevqdgt"423: 0'
- WRO N."yj g"õQr gtcvqtö"qh'GeqRctm"j cu"cr r qlpvgf "Cmlgf "Gpxktqpo gpvcn"Eqpuwncpvu"Nvf 0' \*CGE+"cu"yj g"Gpxktqpo gpvcn"Vgco "\*GV+"vq"ectt { "qw"yj g"Gpxktqpo gpvcn"O qpkqtkpi "cpf " Cwf k/"\$GO ( C+"y qtmu"hqt"yj g"qr gtcvlqp"qh"GeqRctm"cu"tgs wktgf "d { "yj g"GO ( C"O cpwcn"cpf " lp"ceeqtf cpeg"y kyj "yj g"eqpf kkqpu"qh"yj g"Gpxktqpo gpvcn"Rgto k/"\*GR/448 14227 IH+0'Qxg" Ctwr " ( "Rctvpgtu" J qpi " Mqpi " Nvf 0' \*Ctwr +" j cu" dggp" cr r qlpvgf " d { "yj g" GRF " cu" yj g" Kpf gr gpf gpv'Gpxktqpo gpvcn"Ej gengt "\*KGE+"hqt"yj g"Rtqlgev0'Vj g"GV"cpf "yj g"KGE"ectt { "qw" yj g"GO ( C"y qtmu"hqt"GeqRctm"cu"tgs wktgf "d { "yj g"GO ( C"O cpwcn"cpf "kp"ceeqtf cpeg"y kyj " yj g"eqpf kkqpu"qh"yj g"Gpxktqpo gpvcn"Rgto k/\*GR+0""

# 304 · Qrgtcvkqp'Rtqi tco o g''

- 30408Á Kp"vj g"tgrqtvkpi "rgtkqf."vj gtg"y gtg"grgxgp"vgpcpvu"kp"GeqRctm"qpg"qrgtcvqt"qh"Y GGG" Tghwtdkuj o gpv'cpf "Y GGGRCTM"cpf "qpg'vgpcpv'y j qug'vgpcpe{"gzrktgf<"
  - •Á P kpg"cevkxg"vgpcpvu"\*Ej co r y c{."Uj kw"Y kpi ."J M"Dkqo cuu."J R"Vgrhqtf ."Ej wpi "[ wg." MOY cj ."Uqwij "Ej kpc."GOVgej "cpf "Qp"Hcv"Nwpi +"y j q"j cxg"ecttkgf "qwv"hwrn'tge{enkpi " qr gtcvkqpu="
  - •Á Y curg'O cpci go gpv'Rqrke{"I tqwr"\*Y O I +"qh"GRF "j cu"vcmgp"r quuguukqp"qh"Nqv'P qu0' R4. "R5. "R6"cpf "R7"cpf "j cpf gf "qxgt"vq"Crdc"Kpvgi tcvgf "Y cuvg"Uqnwkqpu"\*J qpi "Mqpi +"

7'

•• ''

 $\label{eq:continuity} $$N$f 0'*Crdc"KY U+"vq"ectt{"qw"qr gtcvkqp"qh"Y GGGRCTM"*cv"Nqvu"P qu0'R4."R5."R6+" cpf "Y GGG"Tghwtdkuj o gpv"*cv"Nqv'R7+0'Tge{erkpi "cevkxk/{"qh"Y GGG"Tghwtdkuj o gpv" cv"Nqv"R7"j cu"dggp"uwur gpf gf "chwgt"6$$^{ij}$"Lwpg"423: "cpf "r quuguukqp"qh"Nqv"R7"y cu" tgwtpgf "\q'GRF "qp"4; $$^{ij}$"P qxgo dgt"423: "chwgt"ukwg"ergctcpeg="$ 

- •Á Qpg'\gpcpv\\*J MDTE+'y j q'\ku'ectt{\kpi ''qw'r rcpv'eqpurt we\kqp='''
- •Á Qpg'\gpcpv'\*Nk'Vqpi +'y j qug'\gpcpe { ''y cu''gzr ktgf ="cpf "
- •Á Qpg'\gpcpv'\*Dci wkq+'eqo o gpegf '\gpcpe{ 'y kj qw'cp{ 'ukg'qr gtc\kqp0'

#### 305 Rt qlgev'Qti cpk cwqp'cpf 'Eqpvcev'Rgt uqppgd'

30508Á Mg{"r gtuqppgn'cpf 'eqpvcev'r ctvkewrctu'ctg"uwo o ctkugf 'kp"Vcdrg'3080"

Vcdrg'303'' GO ( C'Rgt uqpp grlEqp vc ev'F gvc kru''

Rquskqp" Pco g"		GockriCfftguu'	Rj qpg'P q0'			
Rt qlgev'Rt qr qpgpv'''GRF "						
Rtlpekrcn'GRQ" Ot0Cpf { 'EJ CP "		cpf {ej cpB gr f 0 qx0 m'	4: 94'3942"			
Qrgtcvqt"-"WRON"						
Rtqlgev'O cpci gt"	Ou0Tckpf {"[ KR"	tckpf {0 {0 kr B wtdcp@qo 0 m'	4434'7; 22"			
Rctm'O cpci gt"	O u0O c { ''Y W'	oc{Ono Oy wB wtdcpOeqo Oj mi' 4434				
KGE"-'Qxg'Ctwr'"						
<b>К</b> Е* <sup>5</sup> *''	Ot0'Uco ''VUQK'	uco OuqkB ctwr Oeqo "	448: "542: "			
KGE"-'O qw'O ceF qj	perf Á					
KGE <sup>∗3+</sup> "	KOOGtke 'EJKPI"	gtke@jkpiBoqwoce@qo@jm'	4: 4: '7979Á			
GV"-'CGE"	GV"-"CGE"					
GV'Ngcf gt ™4+"	Ou0I tceg'MY QM'	i mB cgej moeqo "	4: 37'924: "			
GV"Ngcf gt "¾4+"	K0Ft0Lco gu'Y QPI "	ly B cgej meqo "	4: 37'924: "			

<sup>\*3+&</sup>quot;"K00Gtke"EJ KPI ''y cu'tgr megf ''d{''O t0'Uco ''VUQK'y kij ''ghhgevkxg'htqo ''52''Qevqdgt''423: 0'

30504Á Vj g"qti cpkuckqpcn'uxtwewstg"cpf "rkpgu"qh"eqo o wpkeckqp"hqt"vj g"qr gtckqp"qh'GeqRctm'y ky "tgur gev'kq"gpxktqpo gpvcn'o cpci go gpv'ku'i kxgp"kp"*Hki wt g'3/4*"cpf "*Hki wt g'3/5*"tgur gevkxgn(0"

King'3" "CGE"

<sup>\*4+&</sup>quot;Ou0I tceg'MY QM'y cu'tgr rcegf 'd{ "K0F t0Lco gu'Y QPI 'y kj "ghhgevkxg'htqo "52'Qevqdgt"423: 0

Hki wt g'3/3'' Nqec vkqp 'qh'GeqRct mlkp 'Vwgp 'O wp 'Ctgc '5: ''



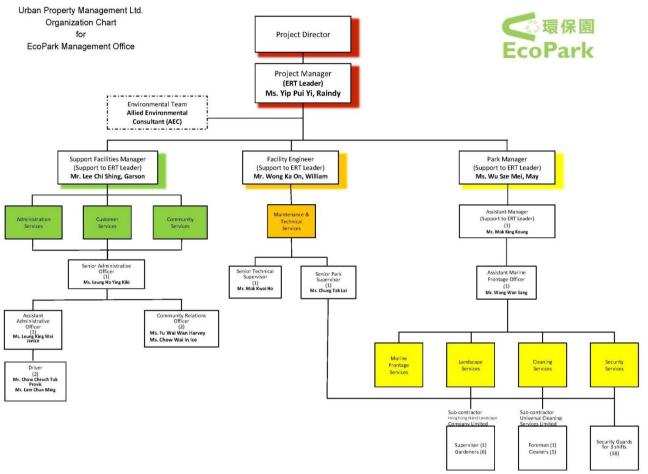
Ukg"Dqwpf ct { " Rj cug'4"Vgpcpw" Rj cug'3"Vgpcpw"

Kuwg'3<u>''</u> \*\*\*\* CGE" GeqRctmlQrgtcvlqp"

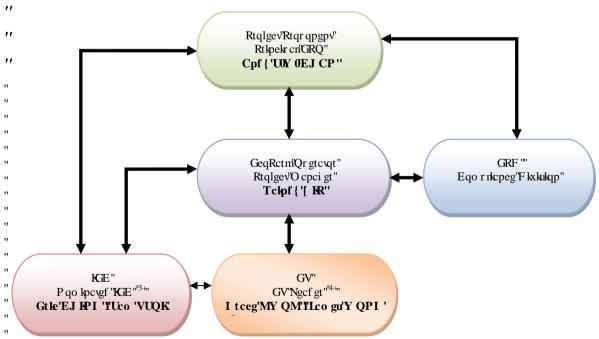
S wet vgt n 'Gpxkt apo gpwnO apkyt kpi '( 'Cwf k'Tgr qt v'\*Oevydgt 'b'F gego dgt '423: +''''''''

9"

## Hki wtg'3/4''' Qti cpkuc wqp'Ej ctv'qk'WRO N''



'Hki wtg'3/5''' Qti cpkucskap 'Ej ctv'qh'GO ( C'Y qtmu'\*Qrgtcskap+'''



<sup>&</sup>quot;"KOGtke"EJ KPI 'y cu'tgr megf 'd{'OtoUco "VUQKy ky 'ghhgevkxg'htqo '52'Qevqdgt'423: 0'

,,

<sup>&</sup>quot;""4+""O u0I tceg"MY QM'y cu'tgr reegf 'd{ "K0Ft0Ico gu"Y QPI 'y kj "ghhgevkxg"htqo '52"Qevqdgt '423: 0'

S wet vgt n 'Gpxkt apo gpvenO apksat kpi '( 'Cwf k'Tgr at v'\*Qevadgt '6'Fgego dgt '423: +''

. "

# 4' UWO O CT[ 'QHGO ( C'TGS WKTGO GP V''

#### 406 O qplsqtlpi 'Rctco gygtu''

40806 Ncpf html cu"\*NHI +"ku"tgs wktgf "vq"dg"o qpkqtgf "s wctvgtn{"cv"ugtxkeg"xqkf u"cpf "wktkx{"dqzgu" y ky ky ky" GeqRctni' dgecwug" y g" pqtyj gtp" r ctv" qh" GeqRctni' rkgu" y ky ky p" y g" 4720 " NHI " Eqpuwrxvkqp"\ qpg"hqt"Ukw"Ncpi "Uj wk"Ncpf htm"y j kej "ku"nqecvgf "vq"y g"pqtyj "qh"GeqRctm"

40804Á Qr gtcvkqpcn' NHI "o qpkqtkpi" j cu" dggp" ecttkgf" qwv" kp" Rj cug" 3" chrgt" eqo r ngvkqp" qh' eqpurt wevkqp" kp" Lvm ("422; ."eqo o gpekpi "kp" vj g"C wi wuv'vq "Qevqdgt" 422; "s wct vgt 0" kp" Rj cug" 4." o qpkqtkpi "j cu" dggp" ecttkgf "qwv" chrgt" eqo r ngvkqp" qh' eqpurt wevkqp" kp" P qxgo dgt "4232." eqo o gpekpi "kp" vj g"P qxgo dgt "4232" vq" Lcpwct ("4233" s wct vgt 0

Vcdrg'408'' Qr gt cwlqp 'Rj cug'NHI 'O qp kqt kpi 'Nqecwlqp u'kp 'GeqRct ni'

O qplsqt lpi '' Uw slqp'HF"	V{rg"	Nqec <b>vl</b> qpu'
GR3/3"	NHI 'xgpv'r kr g'	Kpulfg"yjg"ncpfuecrkpi "ctgc"qh"Cfokpkuntcnkqp"Dwknfkpi"
GR3/4"	Ugtxleg"xqlf"	REEY "dgrqy /i tqwpf "ej co dgt "qwulf g"Nqv'GR2: /23"
GR3/5"	Ugtxleg"xqlf"	J I E'Dtqcf dcpf 'dgrqy /i tqwpf 'ej co dgt 'qwulf g'Nqv' GR2: /25"
GR4/3"	Ugtxleg"xqlf"	JIE'Dtqcfdcpf'dgnqy/itqwpf'ejcodgt'qwulkfg'Nqv'R3''
GR4/4"	Ugtxleg'xqlf"	J I E'Dtqcf dcpf 'dgrqy /i tqwpf 'ej co dgt'qwulf g'Nqv'R5''

40806Á Tqwkpg"NHI "o qpkqtkpi "j cu"dggp"ecttkgf "qw"qp"c"s wctvgtn( "dcuku0'Uj qwrf "GRF "crgtv'vj g" Qr gtcvqt"yj cv'j ki j "NHI "rgxgnu"j cxg"dggp"f gvgevgf "f wtkpi "o qpvj n( "o qpkqtkpi "wpf gt"vj g" Ukw'Ncpi "Uj wk'Ncpf hkm't guvqtcvkqp"eqpvtcev."vj g"Qr gtcvqt"o c { "dg"tgs wktgf "vq"kpetgcug"NHI "o qpkqtkpi " vq" o qpvj n( " wpvkrl uwej " vko g" cu" GRF " kphqto " vj g" Qr gtcvqt" vj cv" s wctvgtn( "o qpkqtkpi "ecp"dg"tguwo gf 0P q"f gvgevkqp"qh'j ki j "NHI "rgxgnu"wpf gt"Ukw'Ncpi "Uj wk'Ncpf hkm' tguvqtcvkqp"eqpvtcev'y cu'tgegkxgf "htqo 'GRF "kp"vj g'tgr qtvkpi "s wctvgt0'

#### 404 Gpxkt qpo gpvcnS wcnk ('Rgt hqt o cpeg'Nko ku'cpf 'GCR''

40408Á Vj g"Cevkqp INko ki"Ngxgnu"cpf "Gxgpv"Cevkqp"Rncp"\*GCR+"hqt"NHI "ctg"uj qy p"kp"*Vcdng'404*" dgnqy 0'Vj gug"tghgt"\q"NHI "f gvgevgf "kp"gzecxcvkqpu."wkrkkgu"cpf "cp{"gpenqugf "qp/ukvg"ctgcu0' Pq"qvj gt"C IN"Ngxgnu"qt"GCRu"ctg"ur gekhkgf "kp"vj g"GO(C"O cpwcn"hqt"vj g"qr gtcvkqp"r j cug" GO(C0'

. "

Vcdrg'404''' Cevkqp 'Ngxgnu.'Nko kv'Ngxgnu'cpf 'Gxgpv'cpf 'Cevkqp 'Rrcp 'hqt 'NHI ''

Rctco gvgt"	Ngxgri'	Cevlqp''
	Cevkqp'Ngxgn'>3; ' ''Q4''	•Á Xgpvkrcvg''tgpej lxqkf''vq''tguvqtg''Q4''vq''@;' "
Qz{i gp" *Q <sub>4</sub> +"	Nko kv'Ngxgri>3: ' ''Q4''	A Uvqr "y qtmu"  A Gxcewcvg"r gtuqppgnlr tqj kdkv"gpvt { "  A Kpetgcug"xgpvkrcvkqp"vq"tguvqtg"Vq"vq"@; ' "
O gyj cpg"	Cevlqp''Ngxgri'@2' ''NGN''	A Rquv'\$Pq'Uo qm\pi \$'u\ki pu"  A Rtqj \kd\k'j qv'\y qtmu"  A \kpetgcug'\xgp\krc\kqp'\q'\tgu\qtg'\EJ 6'\q'\>32' '\NGN''
*EJ 6+	Nko kv'Ngxgri'@42' 'NGN''	A Uvqr "y qtmı"  A Gxcewcvg"r gtuqppgnlr tqj kdkv"gpvt { "  A Kpetgcug"xgpvkrcvkqp"vq"tguvqtg"EJ 6"vq">32' "NGN"
E at dam!	Cevlqp'Ngxgri'@07' 'EQ4"	•Á Xgpvkrcvg'vq'tguvqtg'EQ4'vq'>207' "
Ectdqp" F kqzkf g" *EQ <sub>4</sub> +"	Nko kv'Ngxgri'@07' 'EQ4"	A Uvqr "y qtmu"  A Gxcewcvg"r gtuqppgnlr tqj kdkv"gpvt { "  A Kpetgcug"xgpvkrcvkqp"vq"tguvqtg"EQ4"vq">207" "

# 405 Gpxkt qpo gpvcriCwf ky'qhiP qp/O qpksqt gf 'Ret co gvgt u''

Ukg'kpur gevkqpu'r tqxkf g'c'f ktgev'o gcpu'vq''tki i gt'cpf "gphqteg''y g''gpxktqpo gpvcn'r tqvgevkqp" cpf "r qmwkqp"eqpvtqn'o gcuwtgu''ur gekhlef "kp" y g''Gpxktqpo gpvcn''Ko'r cev'Cuuguuo gpv'\*GKC+" Tgr qtv0'Vq"gzco kpg"qr gtcvkqpcn'r tcevkeg. "ukvg"kpur gevkqpu"ctg"vq"dg"wpf gtvcngp"d{"y g''GV'' qpeg"r gt "o qpvj 0'Vj g''o qpvj n{ "kpur gevkqp"uj cmi'lqkp"y kyj "y g''tcpf qo "ukvg"kpur gevkqp"d{"y g'' KGE''y j gtg'r quukdrg0C"lqkpv'kpur gevkqp"d{"GV"cpf "KGE''y kni'dg"ecttkgf "qw'cv'ngcuv'qpeg'r gt" s wctvgt0'Cf "j qe"ukvg"kpur gevkqpu"ctg"cnuq"ecttkgf "qw'kh'uki pkhlecpv'gpxktqpo gpvcn'r tqdrgo u" ctg" kf gpvkhlef 0' Kp" cf f kklqp." kpur gevkqpu" o c{" dg" tgs vktgf" uvvdugs vgpv' vq" tgegkr v'' qh'' gpxktqpo gpvcn'eqo r rckpv."qt"cu'r ctv'qh'y g'kpxguvki cvkqp'y qtm"cu'ur gekhlef 'kp'y g''GCR0'

40504Á Vjg'hqmqy kpi 'r ctco gygtu''ctg'tgs wktgf ''vq''dg''cwf kygf ''cu''r ctv''qh''yjg''qr gtcykqp''r j cug''GO (C'' r tqi tco <''

- A Ckt'S workv{"
- •Á Y cvgt 'S wcrkv{"
- A Y cuvg'O cpci go gpv'
- A Ncpf 'Eqpvco kpcvkqp"

#### 406' Gpxkt qpo gpvcnO kvki cvkqp'O gcuwt gu''

40608Á Gpxktqpo gpvcn'o kki cvkqp"o gcuwtgu"crrnkecdrg"vq"vj g"qrgtcvkqp"rj cug"GO (C"cu"uvcvgf "kp" vj g"Korngo gpvcvkqp"Uej gf wrg"ctg"uwo o ctkugf 'kp*"Crrqpf kz '30'* 

#### 407 Gpxkt qpo gpwrlTgs wkt go gpwlkp'Vgpcpe{ 'Ci t ggo gpwl'

4070BA Gpxktqpo gpvcn'tgs wktgo gpvu'ur gekhkgf 'kp''vgpcpe { 'ci tggo gpvu'ctg'r tqxkf gf 'kp''Crrgpfkz'40'

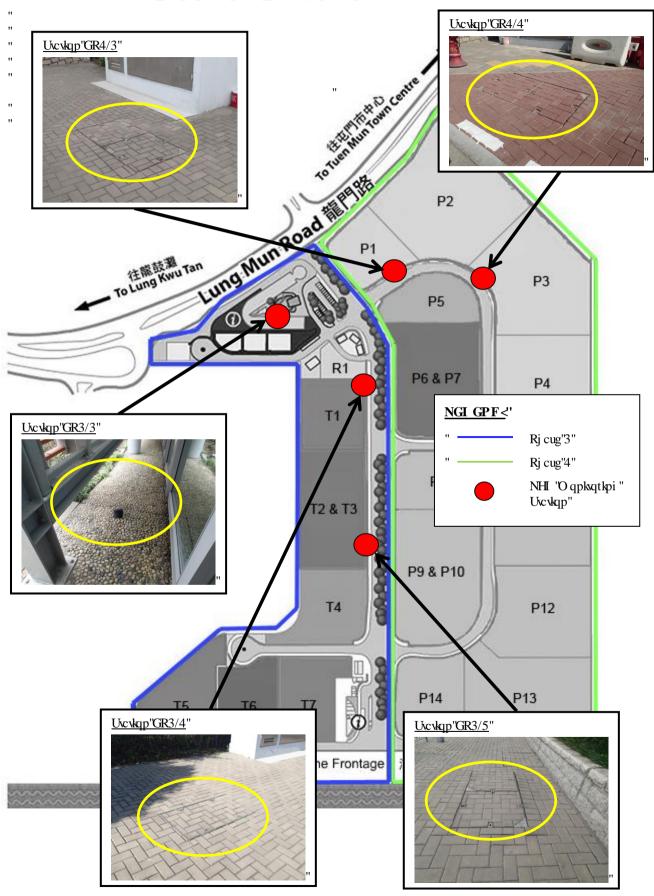
Rt qlgevP q0C3838''''

GeqRctmQrgtcvkqp"

S wet vgt n 'Gpxkt qpo gpvcnO qpksqt kpi '( 'Cwf ks'Tgr qt v'\*Oevqdgt '6'F gego dgt '423: +'

<u>32</u>''

Hki wtg'4/3''' NHI 'O qp kqt kpi 'Nqec skqpu'y ky kp 'GeqRct m'



# 5' QRGT CVKQP 'UVCVWU'

### 506' I gpgtcn'

50808Á Vj g"mecvkqp"qh"myu"y ky kp"GeqRctm"y g"ewttgpv"wuci g"cpf "vgpcpv"pco gu"ctg"uj qy p"kp"

\*\*Hki wt g'' 5/30' C" uwo o ct {" qh" y cuvg" y tqwi j r wu" ku" r tqxkf gf " kp'' Ugevkqp" 50850' Dtkgh"

f guetkr vkqpu"qh'y g"cevkxg"vgpcpvu"ctg'r tqxkf gf "htqo "Ugevkqpu"504' vq"50840'

### 50804Á Kp''yj g''tgrqtvkpi ''s wctvgt<''

- •Á Vgpcpe { "qh'Nk"Vqpi "gzr ktgf "qp"4: "j" "P qxgo dgt"423: 0'Rquuguukqp"qh''Nqv''V8"j cu''dggp" r cuugf ''vq"Dci wkq"qp"4; "j" P qxgo dgt"423: ="
- •Á J MDTE "ecttkgu" qwv'r rcpv'eqpuvt werkqp="cpf"
- •Á Tge{enkpi "cevkxkv{"qh"Y GGG"Tghwtdkuj o gpv"cv"Nqv"R7"j cu"dggp"uwur gpf gf "chwgt "6<sup>yj</sup>" Lwpg"423: "cpf "r quuguukqp"qh"Nqv"R7"y cu"tgwtpgf "vq"GRF "qp"4; <sup>yj</sup> "P qxgo dgt "423: 0'

#### 504 Ej co ry c{ 'Vgej pqmi { 'Nko kvgf ''

- •Á **NqvPq0**×V7"\*Rj cug"3+"
- •Á NavUkg<Crrtaz08.2220 4"
- •Á Cevksky{ <"Tge{enkpi "qh"Qti cpke"Y cuvg"\*Y cuvg"Eqqnhpi "Qkn+"
- •Á **Tge{enlpi' Rt qegun<'** Vwtp" y cuvg" eqqmlqpi "qkn' kpvq" dkqf kgugn' d{" gz vtcevkqp." pgwtcrkucvkqp."ugr ctcvkqp"cpf "f kuvkmcvkqp0'

50408Á Kp" yi ku" tgr qt kpi " s wct vgt." y cuvg" eqqmkpi " qkn" y cu" tge { engf 0' Cnuq." yi g" vgpcpv" cf qr vgf " oʻvcpngt gf " cy c { ö'' cr r tqcej " hqt" j cpf nkpi " qh" kpf wuxtkcn" ghhnwgpv" ctkukpi " htqo " dkqf kgugn" r tqf wevkqp"kpuvgcf "qh"f kuej cti kpi "kpvq"hqwn'ugy gt0'

#### 505' Uj kw'Y koi 'UvggdNko kvgf ''

- •Á **Nqv'P q0**¢V4."V5"\*Rj cug"3+"
- •Á **Nqv'Uk g<**Crrtqz0; .7220 <sup>4</sup>"
- •A Cevkxkv{<"Tge{enkpi "qh"Y cuvg'O gvcnu"
- •Á **Tge{enhpi 'Rt qeguu**<'Vwtp"y cuvg"o gvcnı"kpvq"rki j v'hgttqwu"uetcr "cpf "j gcx{"hgttqwu" uetcr "d{"uqtvkpi ."dcnkpi "cpf "uj gctkpi 0'

50508Á Kp"'y ku"tgr qt kpi "s wct vgt."y cuvg"o gvcn'y cu'tge{engf 0'

### 566 J qpi 'Mqpi 'Dkqo cuu'\*Y qqf +'Eqngev'cpf 'Tge{ eng'Eqo rcp{ 'Nko kygf ''

- •Á **Nqv'P q0**k'V6'\*Rj cug'3+"
- •Á **Nqv'Uk g<**Crrtqz07.2220 4"
- •Á Cevkxkv{<Tge{enkpi 'qhi'Y cuvg'Y qqf '''

\*\*\*\*\*\*\*\*\*

•Á **Tge{enpi 'Rt qeguu<**'Tge{eng'y cuvg'y qqf ''vq'y qqf ''hwgn'r gmguu0'Hgttqwu''o gvcnu'y kmi'dg'' ugr ctcvgf ''d{ ''o ci pgvu0'

5060BÁ Kp" vj ku" tgr qt vkpi "s wct vgt." y cuvg" y qqf "y cu" tge {engf 0' Nqv" V9" y cu" vgo r qtctkn{"wugf "hqt" uvqtci g'qh' vj g't ge {engf 'r tqf wev'r gpf kpi 'hqt" f grkx gt {0'

#### 507' NkVqpi 'I tqwr''

- •Á **Nqv'P q0**×V8'\*Rj cug'3+"
- •Á NavUkg<Crrtaz08.7220 4"
- •Á Cevlxk{<Tge{enkpi 'qh'Y GGG'''
- •Á **Tge{entpi 'Rt qegun** O cpwcm{ "f kno cpvrkpi "qh"Y GGG"kpvq"o gvcnı"\*hgttqwu"o cvgtkcnı." cnwo kpkwo ."gve0+"cpf "pqp/o gvcnı" \*hkdtgu."r ncuvkeu."gve0+"O cpwcm{ "f kno cpvrkpi "qh" Ecyj qf g'Tc{"Vwdg"\*ETV+"i ncuu"cpf "Nks wkf "Et {uvcn'F kur nc{"\*NEF +"r cpgnu"y qwrf "dg" ecttkgf "qwv'wr qp'tgs wguv0'
- 50/08 Á Vj gtg"j cu"dggp"pq"tge{enkpi "cevkxkx{"ukpeg"3" P qxgo dgt"42390'Vj g"f go qrkxkqp"cpf "mqv" tgkpuvcvgo gpv"y cu"eqo r ngvgf "kp" y ku"tgr qt vkpi "s wct vgt 0'Vj g"vgpcpe{"y cu"gzr ktgf "qp"4: <sup>γ'</sup> "P qxgo dgt"423: 0""

#### 508' J R'Vgrhqtf 'Gpxkt qygej 'I t qwr 'Nho kygf ''

- •Á **Nqv'P q0**×V3'\*Rj cug'3+"
- •Á **NqvUkg**Crrtqz07.2220 4"
- •Á Cevkk/ <Tge{enkpi "qh"Y cuvg"Rrcuvkeu"
- •Á Tge{entpi 'Rt qegun 'Uqt kpi .''uj tgf f kpi ''cpf ''dcnkpi ''qh''y cuvg''r ncuvkeu''

5080BÁ Kp"'y ku'tgrqtvkpi 's wctvgt.'y cuvg'r ncuvke''y cu'tge{engf0'

## 50° Y GGG'T ghwt dkuj o gpv'cv'Nqv'R7''

- •Á **Nqv'P q0**×R7"\*Rj cug"4+"
- •Á **Nqv'Uk g<**Crrtqz07.222"o <sup>4</sup>"
- •Á Cevkxkv{<Tge{enkpi 'qh'Y GGG''
- •Á **Tge{erlpi 'Rtqeguu<'**Y GGG'y km'dg'uqtvgf "qp'ukg'lhtuv0'Y GGG'uwkcdrg'hqt'tgwug'y km'dg"tgrcktgf "cpf "tghwtdkuj gf."y j kmv'y qug'ktgrctcdrg"1"pqv'uwkcdrg''hqt"tgrckt'y km'dg"eqmgevgf 'd{'mqecrleqpvtcevqtu'f guki pcvgf 'd{'"Y O I 0'
- 50908Á Tge{enkpi "qh''Y GGG'y cu''egcugf "htqo "6<sup>3</sup> 'Lwpg''423: 0'Ukvg''ergctcpeg''y cu''ecttkgf "qw''kp''y ku'' tgr qt vkpi ''s wctvgt0'Nqv'R7''y cu''tgwtpgf ''vq''GRF ''qp''4; <sup>3</sup> ''P qxgo dgt''423: 0'

# 50 Ej wpi '[ wg'UvggrlI tqwr'Eqorcp{'Nko kvgf''

- •Á **Ngy'P q0**4R35'\*Rj cug'4+"
- •Á **Nqv'Uk g<**Crrtqz0322.222"o 4"
- •Á Cevkxks{<"Tge{enkpi "qh"Y cuvg"O gvcnu"
- •Á **Tge{ enlpi ''Rt qeguu**''Vwtp"y cuvg"o gvcnı"kpvq"pqp/hgttqwu"uetcr."rki j v'hgttqwu"uetcr "cpf 'j gex{'hgttqwu'uetcr "d{ 'uqtvkpi .'derkpi 'cpf 'uj getkpi "

50 08Á Kp''y ku'tgr qt kpi 's wct vgt. 'y cuvg'o gvcri'y cu'tge { engf 0'

### 50, MOY cj 'Eqpust weslqp'Rt qf wesu'Nsf 0'

- •Á **Nqv'P q0**<"R33"\*Rj cug'4+"
- •Á **NqvUkg**</rr>Crrtqz032.222"o 4"
- •Á Cevkxkv{<Tge{enkpi "qh"Y cuvg"Eqpuvt wevkqp"O cvgt kcnufY cuvg"I ncuu"
- •Á **Tge{enlpi 'Rt qegun**'Y cuvg"eqpuvt we vkqp"o cvgt kcnu"cpf "y cuvg"i ncuu"y km'dg"et wuj gf "cpf "f grkxgtgf" vq" vj g"eqpet gvg" o kz kpi "r ncpv' hqt" dngpf kpi "cpf "r qwtgf "kpvq" dnqeni' o cej kpg'hqt "ecuvkpi 0'Vj g"dnqenu'y km'vj gp"dg"ewtgf. "y cuj gf "cpf "r cenci gf 0'

50 BÁ Kp"'y ku't gr qt kpi "s wct vgt." 'y cuvg "eqpuvt we kqp" o cvgt kcnu'cpf "y cuvg" i rcuugu'y gt g't ge { ergf 0'

## 5082 Uqwj 'Ej kpc'Tgdqtp'Tguqwtegu'\*\ j qpi uj cp+'Eqo rcp{'Nvf 0'

- •Á **Nqv'P q0<**'R34'\*Rj cug'4+"
- •Á **Nqv'Uk g<**'Crrtqz0'; .222''o <sup>4</sup>''
- •Á Cevksky{<Tge{enkpi "qh"Qti cpke"Y cuvg"\*Hqqf "Y cuvg+"
- •Á **Tge{enkpi ''Rt qeguu**k'' Hqqf "y cuvg"y km' dg" ugi tgi cvgf 0' Vj g" tge{encdrg" r qt vlqp" y km' wpf gti q"f gqf qt kucvlqp."f gy cvgt kpi ."uj tgf f kpi ."hgto gpvcvlqp"cpf "f t {kpi "vq" r tqf weg" j ki j "r tqvgkp"cpko cn'hggf "hqt'nkxguvqem'hcto kpi "cpf "cs wcewnwtg0"

508208Á Kp" yi ku"tgr qt klpi "s wct vgt."hqqf "y cuvg" y cu"tge {engf 0'Cnxq." yi g" vgpcpv''cf qr vgf "õvcpngtgf" cy c{ö"crrtqcej "hqt" j cpf nkpi "qhl"kpf wwt kcn" ghhnwgpv''ct kukpi "ht qo " yi g" tge {enkpi "qhl"hqqf" y cuvg'kpuvgcf "qh'f kuej cti kpi 'kpvq'hqwrlugy gt 0'

#### 503' Y GGGCRCTM'

- •Á **Nqv'P q0**<a>R4."R5."R6"\*Rj cug"4+"</a>
- •Á **Nqv'Uk g<**'Crrtqz052.222''o <sup>4</sup>''
- •Á Cevkxkv{<Tge{enkpi 'qhi'Y GGG''
- •Á **Tge{enlpi 'Rt qegun**<"Hqwt"o clqt"v{r gu"qh"Y GGG"\*klg0'tghtki gtcvqt"cpf "htgg| gtu."ckt" eqpf kklqpgtu."g/uetcr."VX"cpf "eqo r wgt"uetggpu+"y km"dg"tge{engf 0'Vj g"tge{enkpi "r tqeguugu" kpenwf g" ugrctcvkqp" qh" kpuwrcvkqp kdcemki j vkpi lr ncuvke kxctkqwu" o gvcnu." tgeqxgt{"qh"uetggp lo qpkqt"uvcpf ltghtki gtcpvlqknlj c| ctf qwu"o cvgtkcnu."cpf "uj tgf f kpi "qh"ecukpi 0'

........

503308Á Kp"'yj ku'tgr qt kpi "s wct vgt."Y GGG"y cu'tge {engf 0'

## 5084 Qp'Hcv'Nwpi 'Kppqxcvlxg'T guqwt egu'Nvf 0'

- •Á **Nqv'P q0**¢'R: '\*\*Rj cug'4+"
- •Á **Ngy'Uk g**<'Crrtqz06.622"o 4"
- •Á Cevkski{ < Tge {enkpi "qh"Y cuvg "Twddgt "V{tgu"cpf "Y GGG"
- •Á **Tge{enlpi ''Rt qeguu**k''Y cuvg"twddgt"v{tgu"y km'dg"uj tgf f gf "kpvq"twddgt"r qy f gt"cpf "rtqeguugf "vq"hqto "twddgt"dtkemu0'Y GGG"y km'dg"f kuo cpvrgf kuj tgf f gf "cpf "tgeqxgtgf" hqt'tgwucdrg"eqo rqpgpvu0'

503408Á Kp"vj ku"tgr qtvkpi "s wctvgt."y cuvg"twddgt"v{tgu"y gtg"tge{engf 0"

#### 5055 Vj t qwi j r wy'Uvc vluvleu''

508508Á Hqt"yj g"cevkxg"tge{ergtu."o quv'qh'yj g"kpeqo kpi "y cuvg"o cvgtkcru"cpf "qwi qkpi "r tqf wewl'y gtg" f grkxgtgf "d{"rcpf "vtcpur qtvcvkqp."gzegr v'hqt"yj g"o gvcnu"htqo "Ej wpi "[ wg"y gtg"f grkxgtgf "d{" dqyj "o ctkpg"cpf "vtcpur qtvcvkqp0"

508504Á Vj g''y tqwi j r wu''qh''Y GGGRCTM'cpf ''y g''pkpg''cevkxg''vgpcpvu''ctg''uwo o ctkugf ''kp''*Vcdrg'50*8'' dgnqy 0'Rngcug''pqvg''y cv''r tqf wev''qwr wv''r nwu''y cuvg''f kur qucn''f qgu''pqv''pgeguuctkn{ "gs wcn''y g'' y cuvg''kpr ww.''f wg''vq''o cvgtkcn''nquugu''f wtkpi "r tqeguukpi "cpf "o cvgtkcn''tgvckpgf ''y ky kp''y g''nqv0'''

O cvgt kcdV{ r g''	Y cwg'Kprw'' *wqppgu+''	Rt qf wev'Qwr w'*6+11 *vqppgu+!'	Y cusg'F kir qugf "%+1" *vqppgu+!"
Y cuvg'Qti cpke'Hqqf"	6: 9"	743"	96"
Y cuvg'Hgttqwu'O gvcnu''	54.: 89"	53.324"	365"
Y cuvg'Y qqf"	472"	37: "	/"
Y cuvg'Grgevtqpkeu"	3; 8"	43; "	93"
Y cuvg'Rrcuvkeu''	676"	656"	/"
Eqpust weslqp"Y cusg""	4.375"	34.789"	53"
Y cuvg'I ncuu'"	55: "	34.789	55
Y cuvg'Twddgt''V{tgu''	plc"	plc"	plc"

P qvgu<"

508505Á F gyckref " yi tqwi j r w'' hki wtgu" qh'' yi g" tgrqtykpi " s wctygt" ctg" r tqxkf gf " kp" *Crrgpf kz ''50*80' Wr f cygf "yi tqwi j r w''hki wtgu"qh''yi g'r tgxkqwu''o qpyi u''ctg''r tqxkf gf "kp"*Crrgpf kz '50*40'

<sup>3-</sup>Á Vj g"vj tqwi j rwv"f cvc"r tgugpvgf "cdqxg"ku"vj g"dguv'cxckrcdrg"f cvc"cpf "j cu"dggp"tqwpf gf "qlht'vq"vj g"pgctguv'y j qrg"vqppg" hqt"r tgugpvcvkqp0"

<sup>5+</sup>Á Y cuvg'f kur quan't ghgtu''vq ''vj g'f kur quan'qhl'i gpgtan't ghwug'\*\*MgO'r cenroi kpi +"cpf lqt "ej go kean'y auvgO'

 $<sup>6 + \</sup>acute{A} Ukpeg" \dot{y} g"tge \{enkpi "qh" y cuvg" i ncuu" cpf "eqpunt we vkqp" y cuvg" ku" eqo dkpgf "vq" r tqf weg" eqpetgyg" dnqen" cv" MDY cj. "\dot{y} g" r tqf wev" qwr w" cpf "y cuvg" f kur qucn'h tqo "dqyj "r tqeguugu" ctg" eqo dkpgf 0'$ 

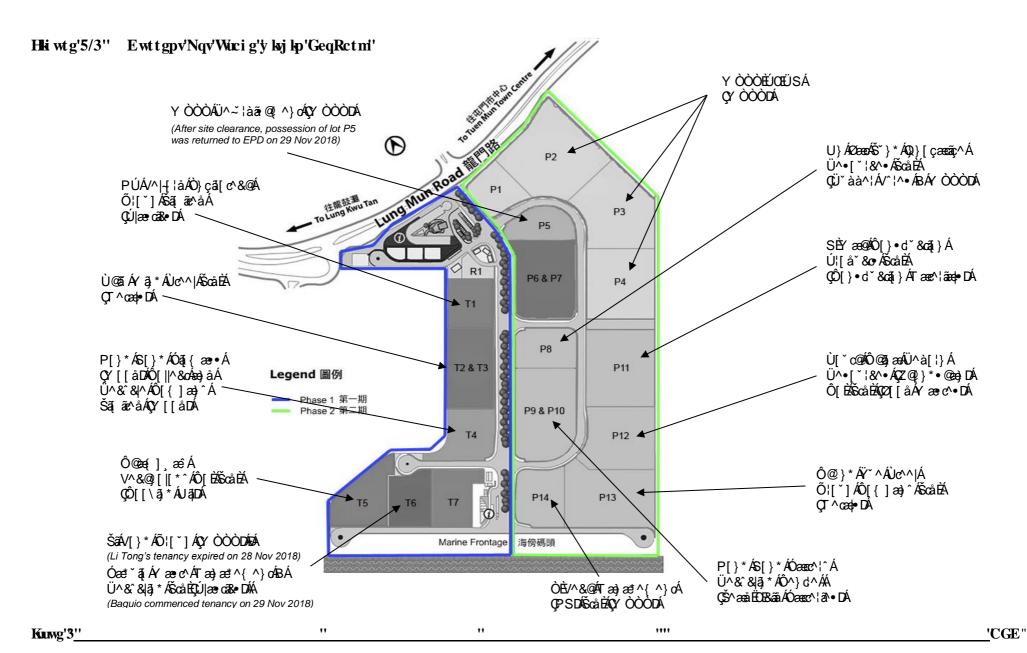
<sup>7-</sup>Á ő/ö'kp''yj g'eqnwo p''qh''y cuvg'f kur qucn'f gpqvgu'| gtq''s wcpvkv{='y j krg'ŏp kcö'f gpqvgu'wpcxckrcdrg'kphqto cvkqp0'

GeqRctmlQrgtcvlqp''

37"

### 5086' Rt qeguu'T gxlgy ''

- 508608Á Rtqeguu"Tgxkgy."cpf "o c{dg"Fguki p"Cwfkv"\*FC+"y j gtg"tgswktgf."j cf "dggp"eqpfwevgf "hqt" gcej "tge{enkpi "rtqeguu"vq"dg"qrgtcvgf "y kj kp"GeqRctm'vq"eqphkto "kuu"eqo rnkcpeg"y kj "y g" hkpfkpi u"cpf "tgeqo o gpfcvkqpu"qh'vj g"GKC"tgrqtv'cpf "vj g"eqpfkkkqpu"qh'vj g'GRO'
- 508604Á Ukpeg"422: ."wy gpv{"wy q"r tqeguu"tgxkgy u"cpf "vj tgg"F Cu"j cf "dggp"cr r tqxgf 0'Co qpi "vj qug." hqwtvggp"r tqeguu"tgxkgy u"cpf "vj tgg"F Cu"ctg"tgrcvgf "vq"vj g"ewttgpv"tge {erkpi "r tqeguugu"kp" GeqRctni' cu" qh" F gego dgt" 423: 0' Kp" vj g" tgr qtvkpi " r gtkqf ." qpg" r tqeguu" tgxkgy " hqt" Y GGGCRCTM"y cu"cr r tqxgf 0'Hwni'ugv'qh" vj g"eqo r rgvgf "RTEu"cpf "F Cu"ctg"uwdo kwgf " ugr ctcvgn("vq"tgrgxcpv'cwj qtkkgu'kp"GRF 0'



Rt glgevP g0<3838"

S wct vgt rf 'Gpxkt qpo gpwrlO qpkqt kpi '( 'Cwf k/T gr qt v'\*Qevqdgt 'b'F gego dgt '423: +''''''''''''''

39"

#### 6 KO RNGO GP VCVKOP 'UVCVWU'QH'GP XKT QP O GP VCN'' RTOVGEVKOP'O GCUWTGU'

- 60808Á Gpxktqpo gpvcn'o kki cvkqp"o gcuvxtgu"crrnkecdng"vq"vj g"qrgtcvkqp"rj cug"GO ( C"cu"uvcvgf "kp" yj g'ko r ngo gpvcvkqp''uej gf wrg''ctg''uwo o ctkugf 'kp''Crrgpf kz '30'Gpxktqpo gpvcn''tgs wktgo gpwu'' ur gelikgf 'kp'\gpcpe{'ci tggo gpvu'ctg'uwo o ctkugf 'kp''Crrgpfkz '40'
- 60804Á D{"vj g"gpf "qh"F gego dgt"423: ."Y GGGCRCTM"cpf "pkpg"vgpcpvu"\*Ej co r y c{."Uj kw"Y kpi ." J M'Dkqo cuu."J R"Vgrhqtf."MOY cj."GOVgej."Ej wpi "[ wg."Uqwj "Ej kpc"cpf "Qp"Hcv"Nwpi +" y gtg'wpf gt'hwm'qr gtckqp0'
- 60805Á Crrtqrtkcvg"gpxktqpo gpvcn'rtqvgevkqp"o gcuwtgu'ctg"kp'rmeg'cv'cm'nqvu0'

GeqRctmQrgtcvkqp"

"CGE" Kuwg'3"

2. 11

# 7' O QPKVQTKPI 'TGUWNVU''

#### 708 O qplsqt lpi 'F cvg.'Vlo g.'Ht gs wgpe{ 'cpf 'F wt cvlqp''

7080BÁ Cu"f guetkdgf "kp" *Ugevkqp"40*8."qr gtcvkqpcn' NHI "o qpksqtkpi "ku"eqpf wevgf "s wctvgtn("cv"hkxg" o qpksqtkpi "nqecvkqpu." yi tgg" kp" Rj cug"3"cpf "w q" kp" Rj cug"40' Kp" yi ku"tgr qtvkpi "s wctvgt." o qpksqtkpi "y cu"wpf gtvcngp"qp"35 yi "F gego dgt"423: 0'O qpksqtkpi "f gvcknu"ctg"uj qy p"*Vcdng'' 70*8"dgny 0'

Vcdrg'708''' Uco rnkpi 'Uej gf wrg'hqt'\'y g'S wct vgt rf 'NHI 'O qp krqt kpi ''

Uve vkqp'KF''	Uco ralpi 'Fcvg''	Vlo g''	F wt c vkqp''	Co dlgpv'Clt'' Vgo r0'	Y gcvj gt"
GR3/3"		; 56"	4"o kpwgu"	36 <sup>q</sup> E"	<b>Н</b> рд"
GR3/4"	35 <sup>y</sup> "F gego dgt" 423: "	; €: "	4"o kpwgu"	36 <sup>q</sup> E"	Нфд"
GR3/5"		; ⊲4"	4"o kpwgu"	36 <sup>q</sup> E"	Нфд"
GR4/3"		; 5; "	4"o kpwgu"	36 <sup>q</sup> E"	Нфд"
GR4/4"		; 45"	4"o kpwgu"	36 <sup>q</sup> E"	Нфд"

#### 704 O qplsqt lpi 'O gyj qf qrqi { .'Ret co gygt u'cpf 'Gs whr o gpy'

70408Á Vj g"NHI "o qpkqtkpi "tgs wktgo gpv'cpf "o gyj qf qrqi {"ctg"uvkr wrcvgf "kp" *Ugevkqp"8*"qh' vj g" GO ( C" O cpwcr0' Vj g" NHI "o qpkqtkpi "r ctco gvgtu" cpf " vj gkt" o gcuwtgo gpv' tcpi gu" ctg" f gvckrgf "kp"*Vcdrg'704*"dgrqy 0'

Vcdrg'704''' Rctco gvgtu'cpf 'O gcuwtgo gpv'Tcpi gu'hqt 'NHI 'O qpkqtkpi ''

Retco gvgtu'	O gcust go gpv'Tcpi gu''	
O gyj cpg'*EJ 6+"	2"6"322' "NGN"( "2/322' "x lx"	
Qz{i gp'**Q₄+"	2'6'47' 'x1x"	
Ectdqp'Fkqzkfg'*EQ4+"	2'6'322' ''x lx''	
Dctqo gvtke'Rtguuvtg"	o Dct "cduqnwg+"	

70404Å NHI "o qpkqtkpi "uj cm'dg'ecttkgf "qw'wukpi "kpvtkpukecm{/uchg."r qtvcdng"o wnk/i cu'o qpkqtkpi "kpvtkpukecm{/uchg."r qtvcdng"o wnk/i cu'o qpkqtkpi "gs wkr o gpv'uj cm<"

- 30Å Y j gtg" r quukdrg." eqo r n(" y kj " DU" 8242" cpf " dg" crrtqxgf " d{" DCUGGHC" cu" kpvtkpukecm("uchg."uwkcdrg"hqt"wug"kp"c"\ qpg"4"ctg"\q"DU7567="
- 40Á Dg'ecr cdrg'qh'eqpvkpwqwu'o qpkqtkpi "qh'o gyj cpg."qz {i gp"cpf "ectdqp"f kqzkf g="
- 50Á Dg"ecr cdrg"qh"eqpvkpwqwu"dctqo gvtke"r tguuwtg"cpf "i cu'r tguuwtg"o gcuwtgo gpvu="
- 60Á P qto cm{"qr gtcvg"kp"f khhwukqp"o qf g"wprguu"tgs wktgf "hqt"ur qv'uco r nkpi ."y j gp"k/' uj qwrf 'dg'ecr cdrg'qh'qr gtcvkpi 'd{'o gcpu'qh'cp'cur ktcvqt'qt'r wo r ="

3:

70Á J cxg'nqy "dcwgt { . 'hcwn/'cpf "qxgt''tcpi g'kpf kecvkqp''kpeqtr qtcvgf ="

80Á Uqtg"o qpkqtkpi "f cvc."cpf "uj cm'dg"ecr cdrg"qh'dgkpi "f qy p/rqcf gf "f ktgevn( "vq"c"RE=" cpf "

90Á O gcuwtg'kp''y g'hqnqy kpi 'tcpi gu<"

-Á Ogyj cpg" 2"6"322' "NGN"( "2"/"322' "x lx"

-Á Qz{i gp" 2"6"47' "x lx"

-Á Ectdqp'f kqzkf g" 2"6"322' "x kx"

-Á Dctqo gytke"rtguuwtg" o Dct"\*cduqnwg+"

## 705 Tguwwu'cpf 'I terj kechRuqui'qh'O qpkqtkpi 'Retco gvgtu''

7050BÁ Qpg"KphtcTgf"I cu"Cpcn(ugt"Oqfgn'I C7222"\*ugtkcn'pwodgt"I 723; : 4+"y cu"wugf "hqt"NHI "ogcuwtgogpw0'Vjg"i cu"cpcn(ugt"ku"ecnkdtcvgf"gxgt{"8"oqpvju0'*Crrgpfk;'6*"rtgugpwu"vjg" ecnkdtcvkqp"tgeqtfu"qh'vjg"oqpkqtkpi "gs wkrogpv0'

70504Á NHI "o qpkqtkpi "tguwmu"ctg"uwo o ctkugf "kp"*Vcdng'70*5"cpf "eqo r ctgf "y kyj "yj g"Cevkqp"cpf " Nko k/"Ngxgnu"vcdwrcygf "kp"*Vcdng'40*40'I tcrj kecn'r nqvu"qh"yj g"o qpkqtkpi "tguwmu"ctg"cnuq" r tqxkf gf "kp"*Crrgpf kz'7*0'

Vcdrg'765''' S wctvgtr('NHI 'O qp kqtkpi 'T guwnu'kp 'lj g'T gr qtvkpi 'S wctvgt''

		O qpkqt kpi 'T guмии''				
Uvevkqp'' KF''	Uco rnipi '' Fevg''	O gvj cpg <sub>''</sub> * 'x1x+''	O gyj cpg <sub>"</sub> * 'NGN+''	Qz{i gp <sub>"</sub> * 'x x+''	Ectdqp'' Fkqzkf g <sub>''</sub> * 'x1x+''	Dct qo gvt le'' Rt guuwt g'' *o Dct +''
GR3/3"		202"	2"	4304"	206'"'	324; "
GR3/4"	35 <sup>⅓</sup> "	202"	2"	4303"	203"	324; "
GR3/5"	F gego dgt"	202"	2"	4303"	203"	324; "
GR4/3"	423: "	202"	2"	420 "	205"	324; "
GR4/4"		202"	2"	4302"	203"	324; "

70505Á P q"gzeggf cpeg"qh"Cevkqp"cpf "Nko kv"Ngxgnu"y cu'tgeqtf gf "kp" y g"tgr qtvkpi "s wctvgt0"

1811

S wct vgt nf 'Gpxkt gpo gpvcnlO gpksqt kpi '( 'Cwf kr'Tgr qt v'\*Qevqdgt 'b'F gego dgt '423: +'''''''''''''''''

# 8' UWO O CT[ 'QHGP XKT QP O GP VCN'CWF KV''

#### 803' I gpgtch'

8080A Kp"yi g"tgrqtvkpi "s wctvgt."Y GGGRCTM"cpf "pkpg"cevkxg"vgpcpvu"y gtg"wpf gt"hwm'qr gtcvkqp0' Cu"uwej."ur gekhe"ukxg"kpur gevkqpu"y gtg"qpn{ "ecttkgf "qw"cv"yi g"myu"qh"Y GGGRCTM"cpf "yi gug"pkpg"vgpcpvu0'Hqt"yi g"xcecpv'myu"qt"myu"qh"yi qug"vgpcpvu"pqv'ewttgpvn{ "kp"qr gtcvkqp." i gpgtcn'ukxg'kpur gevkqpu'y gtg"eqpf wevgf 0"

6004Á Gpxktqpo gpvcn'cwf ku''dcugf "qp"'yi g"crrtqxgf "ukxg"kpur gevkqp"ej gemkuv'y gtg"ecttkgf "qw''d{" yi g"Qr gtcvqt"cpf "yi g"GV"qp"46<sup>3</sup> "Qevqdgt."42<sup>3</sup> "P qxgo dgt"cpf "35<sup>3</sup> "F gego dgt"423: 0'KE" tcpf qo "ukxg"cwf ku" y gtg"cnuq"ecttkgf "qww'qp"46<sup>3</sup> "Qevqdgt"cpf "35<sup>3</sup> "F gego dgt"423: 0'C" s wctvgtn{ "lqkpv'ukxg"kpur gevkqp"y cu''ecttkgf "qww'd{"yi g"Qr gtcvqt."yi g"KGE"cpf "yi g'GV"qp"42<sup>3</sup> "P qxgo dgt"423: 0'Vj g''eqo r rgvgf "cwf kv''ej gemkuvu'hqt"vgpcpvu''ctg'r tqxkf gf "kp"*Crrqpf kz '8*0'

#### 804 Ej co ry c{ 'Vgej pqmi { 'Nko kvgf ''

80408Á Cwf k/' qdugtxcvkqpu'' htqo "rtgxkqwu'' tgrqtvkpi "s wctvgtu'' cpf " yi ku'' tgrqtvkpi "s wctvgt'' ctg'' uwo o ctkugf "kp" *Vcdrg'80*6" dgrqy 0'Vj g"eqo rrgvgf "ej germkuwu''hqt"Ej co ry c{"ctg"i kxgp"kp" *Crrgpf kz'80*60'

Vcdrg'805''' Gpxkt qpo gpwrlCwf kv'Hlpf kpi u'hqt 'Ej co ry c{''

Fcvg''	Kigo ''	Eqo o gpv''	Uve vvui'			
Qdugt xc vkqpu'l	Qdugt xc vkqpu'Ht qo 'Rt gxkqwu'T gr qt vkpi 'S wc t vgt u''					
37"O ct"4239"	Vj g'vgo r qtct {" uvqtci g''ctgc''hqt'' eqpvkpgtu''y cu'' pqv'r tqxkf gf "y kyj " r gto gcvkqp/r tqqh'' hrqqt0'Cu''cf xkugf " d{ ''y g''vgpcpv.''y g'' ctgc''y cu''wugf "cu'' vgo r qtct { 'uvqtci g'' cpf ''y g''eqpvckpgtu'' y qwf ''dg'' i tcf wcm(" tgo qxgf ''htqo ''y g'' eqpegtpgf "ctgc0"'	Vj g"\gpcpv'y cu" tgo kpf gf "\q" ko r rgo gpv'uwhhekgpv" r tgxgpvkxg"o gcuwtgu" vq"cxqkf "cp{" ceekf gpvcn'ur kmci g" f wtkpi "o cvgtkcn" vtcpuhgt0'	Gpemugf 'lwqtci g''cpmı'j cf 'dggp'' rtqxkf gf 'kp''rtgxkqwı'o qpy u''q'' i tcf wcm{ 'tgr rceg''y g'qrf 'i n{egtkpg'' uvqtci g'eqpvckpgtu0Cu''qdugtxgf '' f wtkpi 'lukg''kpur gevkqp''qp''46'' Qevqdgt''423: .''y g''ej go kecn'uvckp'' htqo ''y g'i n{egtkpg''uvqtci g''cpm'' tgeqtf gf ''qp''3: ''Ugr vgo dgt''y cu'' tgo qxgf 0'Y j krg''y g''eqpvckpgt'' tgo qxcn'kı''kp''rtqi tguu.''y g''vgpcpv'' y cu''tgo kpf gf ''q''ko r rgo gpv'' uwhkekgpv'o gcuwtgu'f wtkpi ''o cvgtkcn'' vtcpuhgt''vq''cxqkf .''qt''eqpvckp'kh''cp{.'' ceekf gpvcn'ur kmci g0'Vj g''rtqi tguu'' y km'dg''o qpkqtgf 'kp''y g''pgzv'cwf k0'			
Qdugt xc vkqpu'l	Htqo 'Vj ku'Tgrqtvkpi '	S wet vgt"				
46"Qev'423: "	Ej go kecn'ngcmei g" y cu''qdugtxgf "cv'4" r megu''pgctd { "vj g" ceeguu''tqcf ()'	Vj g'\gpcpv'y cu" tgs wguvgf '\q'engct'\j g" ngcngf 'ej go kecn' uvckp'cpf 'ko r ngo gpv' uwhhkekgpv'o gcuwtgu" f wtkpi 'o cvgtkcn' vtcpuhgt '\q'exqkf.'qt" ur knci g0Vj g'\gpcpv' y cu'ennq'ef xkugf '\q"	F wt kpi 'ukg' kpur ge kqp'qp'42" P qxgo dgt '423: .'kv'y cu'pqygf' 'y cv' y g'ypcpv'j cf 'engctgf' 'y g'rgcmgf'' ej go kecn'uvckp'cpf' 'y g'f co ci gf'' eqpvckpgt.'y j krg'rgcmci g'htqo'' cpqy gt 'pgki j dqwtkpi 'eqpvckpgt' y cu'' qdugtxgf O'C u'qdugtxgf' f wt kpi 'ukg'' kpur gevkqp'qp'35'F gego dgt'423: .'' y g'ypcpv'j cf 'engctgf' 'y g'ur kngf'' ej go kecn'cpf' y g'f co ci gf''			

Fcw'	Kigo ''	Eqo o gpv''	Uve vvui'
		y gm'o ckpvckp''y g" eqpvckpgtu''y j kej " y gtg''r gpf kpi ''hqt" tgo qxcn''vq''cxqkf " r qvgpvkcn''rgcmci g0'	eqpvckpgt"pgctd{"yj g"ceeguu"tqcf0
42'P qx''423: "	Ej go kecn'ur kmei g" htqo "i n( egt kpg" uvqtci g"vepm'y cu" qdugtxgf "	Vj g'\gpcpv\y cu" tgs wguvgf '\q'engct'\j g" ur kngf 'ej go kecn'cpf " y g'ej go kecn'uvckp0'	Cu'qdugtxgf 'f wtkpi ''y g'ukkg'' kpur gevkqp''qp''35'F ge''423: .''y g'' ej go kecn'uvckp'htqo ''y g''i n{egtkpg'' uvqtci g''cpm'y cu'engctgf 0'
35'F ge'423: "	Pq"pgy "etkkecn'kuwg"y cu'kf gpwkkgf 0'		

# 805' Uj kw'Y kpi 'UvggrlNko kvgf ''

80508Á Cwf k/' qdugtxcvkqpu" htqo "rtgxkqwu" tgrqtvkpi "s wctvgtu" cpf " yj ku" tgrqtvkpi "s wctvgt" ctg" uwo o ctkugf "kp" *Vcdrg'804*" dgrqy 0'Vj g"eqo rrgvgf "ej gemrkuvu" hqt" Uj kw"Y kpi "ctg"i kxgp" kp" *Crrgpf kz'804*0'

## Vcdrg'804''' Gpxkt qpo gpw:rlCwf kv'Hlpf kpi u'hqt 'Uj kw'Y kpi ''

Fcvg''	Kigo ''	Eqo o gpv''	Uve vvu''	
Qdugtxcvkqpu'Htqo 'Rtgxkqvu'Tgrqtvkpi 'S wctvgtu''				
P qpg"				
Qdugt xcvkqpu'l	Htqo'Vj ku'Tgrqtvkpi'	S wct vgt"		
46'Qev'423: "	"Qev'423: " Pq'pgy "etkkecn'kuwg'y cu'kf gpvkhkgf 0'			
42'P qx'423: "	Pq'pgy 'etkkecn'kuwg'y cu'kf gp\khkgf 0'			
35'F ge'423: "	Pq'pgy 'etkkecn'kuw	g'y cu'ld gpvldgf ()'		

# 806' J qpi 'Mqpi 'Dkqo cuu'\*Y qqf +'Eqngev'cpf 'Tge{ eng'Eqo rcp{ 'Nko kygf ''

8060BÁ Cwf k/" qdugtxcwlqpu" htqo "rtgxkqwu" tgrqtwlpi "s wctvgtu" cpf "y ku" tgrqtwlpi "s wctvgt" ctg" uwo o ctkugf "kp" *Vcdng'80*5" dgrqy 0'Vj g"eqo rngvgf "ej gemkuv"hqt" J M'Dkqo cuu"ku"i kxgp"kp" *Crrgpf kz'80*50'

#### Vcdrg'865''' Gpxkt qpo gpvcrlCwf kv'Hlpf kpi u'hqt 'J MDkqo cuu''

Fcvg''	Kigo ''	Eqo o gpv''	Uve vvu'		
Qdugt xcvkqpu'I	Qdugt xc skqpu'Ht qo 'Rt gxkqwu'T gr qt skpi 'S wct vgt u''				
P qpg"					
Qdugt xc vkqpu'I	Htqo 'Vj ku'Tgrqt vkpi '	S wctvgt"			
46''Qev'423: "	Pq"pgy "etkkecn'kuwg"y cu'kf gpvklkgf 0"				
42'P qx'423: "	Pq'pgy 'etkkecrikuwg'y cu'kf gpvkhlgf 0'				
35'F ge'423: "	Pq'pgy 'etkkecn'kuw	g'y cu'ld gpwllgf ()'			

44"

#### 807' J R'Vgrhqtf 'Gpxkt qygej 'I t qwr 'Nlo kygf ''

80708Á Cwf k/' qdugtxcvkqpu" htqo "rtgxkqwu" tgrqtvkpi "s wctvgtu" cpf "yi ku" tgrqtvkpi "s wctvgt" ctg" uwo o ctkugf "kp" *Vcdrg'80*6" dgrqy 0'Vj g"eqo rrgvgf "ej germkuwu"hqt" JR" Vgrhqtf "ctg"i kxgp"kp" *Crrgpf kz'80*60'

Vcdrg'806''' Gpxkt qpo gpwrlCwf kv'Hlpf kpi u'hqt 'J R'Vgrhqtf''

Fcvg''	Kigo ''	Eqo o gpv''	Uwwu''
Qdugt xcvkqpu''	Ht qo 'Rt gxkqwu'T gr qt	vkpi 'S wct vgt u"	
P qpg"			
Qdugt xcvkqpu''	Htqo'Vj ku'Tgrqtvkpi'	S wct vgt "	
46"Qev'423: "	Qki'uvckp"y cu" qdugtxgf "pgct"yj g" r gtko gygt"f tckp"cv" yj g"iqv"gpvtcpeg0"	Vj g'\gpcpv'y cu'tgs wguvgf '\q" tgo qxg'\j g'qkt'uvckp'\q" rtgxgpv'k'dgkpi 'hnwi gf 'kpvq" uvqto y cvgt'ftckpci g'u{uvgo " y tqwi j '\j g'r gtko gvgt'ftckp0'	Cu'qdugtxgf 'f wtkpi 'ukg'' kpur gevkqp"qp"42"P qx" 423: .''yj g'\gpcpv'tgo qxgf '' yj g''qkrl\uckp'pgct'\yj g'' r gtko gygt'f tckp0'
42'P qx'423: "	Pq'pgy 'etkkecrikuuwg'y cu'kf gpwkkgf 0'		
35'F ge'423: "	Pq"pgy "etkkecn"kuuwg"y cu"kf gpvkhkgf 0"		

## 808' Ej wpi '[ wg'UvggrlI tqwr'Eqo rcp{'Nlo lsgf''

80808Á Cwf k/' qdugtxcvkqpu" htqo "rtgxkqwu" tgrqtvkpi "s wctvgtu" cpf "yj ku" tgrqtvkpi "s wctvgt" ctg" uwo o ctkugf "kp" *Vcdrg'80*" 'dgrqy 0'Vj g"eqo rngvgf "ej gemrkuwu"hqt"Ej wpi "[wg"ctg"i kxgp"kp" *Crrgpf kz* '8070'

#### Vcdrg'807''' Gpxkt qpo gpw:rlCwf kv'Hlpf kpi u'hqt 'Ej wpi '[ wg''

Fcvg''	Kigo ''	Eqo o gpv''	Ucwu'		
Qdugt xcvkqpu'I	Qdugt xcvkqpu'Ht qo 'Rt gxkqwu'T gr qt vkpi 'S wct vgt u''				
P qpg"					
Qdugt xcvkqpu'l	Htqo 'Vj ku'Tgrqt v	kpi 'S wct vgt"			
46'Qev'423: "	ev'423: "Pq'pgy 'etkkecn'kuuwg''y cu'kf gp\khkgf 0'				
42"P qx"423: "	Pq"pgy "etkkecn'kuwg"y cu'kf gp\khkgf 0"				
35'F ge'423: "					

#### 809' MOY cj 'Eqpurt werkqp'Rt qf weru'Nlo krgf ''

80908Á Cwf k/' qdugtxcvkqpu" htqo "rtgxkqwu" tgrqtvkpi "s wctvgtu" cpf "yj ku" tgrqtvkpi "s wctvgt" ctg" uwo o ctkugf "kp" *Vcdrg''80*8" dgrqy 0' Vj g" eqo rrgvgf "ej germkuvu" hqt "MOY cj "ctg" i kxgp" kp" *Crrgpf kz* '8080'

#### Vcdrg'808''' Gpxkt qpo gpvcrlCwf kv'Hkpf kpi u'hqt 'MDY cj ''

Fcvg''	Kigo ''	Eqo o gpv''	Uvevwu''	
QdugtxcvkqpulHtqo 'RtgxkqwulTgrqtvkpi 'S wctvgtu''				
46'Cwi '423: "	Kpcrrtqrtkcvg" ncdgnu'hqt"	Vj g'\gpcpv'uj qwf 'r tqxkf g'' r tqr gt 'ej go kecn'y cuvg'ncdgn'	Cu'qdugtxgf 'f wtkpi 'uksg" kpur gevkqp'qp'46'Qevqdgt"	

Fcg"	Kigo ''	Eqo o gpv''	Uve vvu'
	ej go kecn'y curg" y gtg''uj qy p''qp" y g''uwthceg''qh'' eqpvckpgtu'kp'' ej go kecn'y curg'' uvqtci g''ctgc0'''	kp"ceeqtf cpeg"y kyj "Uej gf wrg" 4"qh"Y cuvg"F kur qucn" *Ej go kecn"Y cuvg+"*1 gpgtcn+" T gi wrcvkqp"*Ecr 0'576E+"hqt" dgwgt "kf gpvkhkecvkqp0"	423: .'r tqr gt 'mdgri'qh' ej go kecri'y cuwg'y cu'' cwcej gf ''qp''y g'lwthceg''qh'' eqpwkpgtu'kp''ej go kecri' y cuwg'lwqtci g''ctgc0'
Qdugt xcvkqpu'I	Htqo 'Vj ku'Tgrqtvkpi '	S wctvgt"	
46'Qev'423: "	Pq"pgy "etkkecn"kuwg"	'y cu'ld gpwldegf 0'	
42"D av"422. "	F ww'i gpgtcwlqp" y cu''qdugtxgf" f wtkpi 'wpmcfkpi " qh'E(F" o cygtkcnu0'	Vj g'\gpcpv'y cu'tgs wguvgf '\q'' f co r gp'\j g'o cvgtkcnı'dghqtg'' qt'f wtkpi 'wprqcf kpi 'hqt'f wuv' uwr r tguukqp0Vj g'\gpcpv'y cu'' cnq'cf xkugf '\q'kpuvtwev'' tgrgxcpv'uvchh'\q'tgf weg'\j g'' wprqcf kpi 'ur ggf '\q'o kpko kug'' f wuv'i gpgtcvkqp0'	Cu'qdugtxgf 'f wtkpi 'ukg'' kpur gevkqp'qp''35'F gego dgt'' 423: .'f co r gpkpi 'qh'' o cvgtkcni'y cu'qdugtxgf 'kp'' y g''qcf kpi kpmcf kpi ''ctgc0''
42'P qx'423: "	C"ej go kecn'y cuvg" eqpvckpgt"y cu" qdugtxgf 'y ky qwi' eqxgt"cpf "r tqr gt" rcdgn'kp"yj g" ej go kecn'y cuvg" uvqtci g"ctgc0'	Vj g'vgpcpv'y cu'tgs wguvgf 'vq'' r tqxkf g'eqxgtgf 'eqpvckpgt'' y kij 'r tqr gt'ej go kecn'y cuvg'' mdgn'hqt'uvqtci g'qh'ej go kecn' y cuvg0'	Cu''qdugtxgf 'f wtkpi 'ukg'' kpur gevkqp''qp''35'F gego dgt'' 423: .''yi g''ej go kecn'y cuvg'' eqpvckpgt''y cu'uvkni'pqv'' r tqxkf gf 'y kyi 'eqxgt''cpf '' r tqr gt''ncdgn''Vj g''eqpf kkqp'' y kni'dg''hqnqy gf/wr ''kp''yi g'' pgzv'cwf kv'kp''Lcpwct { ''423; 0'

#### **80** . Uqwyj 'Ej kpc 'Tgdqtp'Tguqwtegu'\*\ j qpi uj cp+'Eqo rcp{ 'Nko kvgf 0'

35'F ge'423: " P q'pgy 'etkkecn'kuuwg'y cu'kf gp\khkgf 0'

80 08Á Cwf k/" qdugtxcvkqpu" htqo "rtgxkqwu" tgrqtvkpi "s wctvgtu" cpf "yi ku" tgrqtvkpi "s wctvgt" ctg" uwo o ctkugf "kp'Vcdng'80'dgmy 0'Vj g"eqo r ngugf "ej gemkuvu"hqt "Uqwj "Ej kpc"ctg"i kxgp"kp" Crrgpfk; '8090'

Vcdrg'80''' Gpxkt qpo gpvcrlCwf kv'Hkpf kpi u'hqt 'Uqwvj 'Ej kpc'''

Fcwg''	Кидо ''	Eqo o gpv''	Uve vvui'
Qdugt xc vkqpu'I	Ht qo 'Rt gxkqwu'T gr qt vkpi	"S wet vgt u"	
P qpg'"			
Qdugt xc vkqpu'I	Htqo 'Vj ku'Tgrqtvkpi 'S w	ctvgt"	
46''Qev'423: "	Pq'pgy 'etkkecn'kuwg'y	cu'ld gpvldegf 0'	
42'P qx'423: "	Pq'pgy 'etkkecn'kuwg'y	cu'ld gpvlhlegf 0'	
35"F ge"423: "	Qkn'ngcmci g'y cu" qdugtxgf "wpf gtpgcyj " c'vtckrgt "cpf "gpvgtu" y g'uvqto y cvgt" f tckpci g'ej cppgn'cv' y g'Gcuvgtp''Nqv'' Dqwpf ct {0'	Vj g"vgpcpv'ku'tgs wguvgf "vq" engct"vj g"ur kmci g"cpf " gpuwtg"qkn'tgr ncego gpv' cevkxkv{ "vq"dg"ecttkgf "qwv' kp"dwpf gf "o ckpvgpcpeg" ctgc"	Vj g'eqpf kkqp'y kn'dg'' hqmqy gf/wr 'kp''y g'pgzv'' cwf kv'kp'Icpwct { ''423; 0'

<u>'''</u>CGE" Kuwg'3<u>"</u>

#### 80, GOVgej 'O cpci go gpv'\*J M+'Nlo kgf 0'

80, 08 Á Cwf k/' qdugtxcvkqpu" htqo "rtgxkqwu" tgrqtvkpi "s wctvgtu" cpf "yj ku" tgrqtvkpi "s wctvgt" ctg" uwo o ctkugf "kp" *Vcdng''80* "dgnqy 0' Vj g"eqo rngvgf "ej gemikuvu" hqt "G0Vgej "ctg" i kxgp" kp" *Crrgpf kz '80* 0'

Vcdrg'80 ''' Gpxkt qpo gpwrlCwf kv'Hkpf kpi u'hqt 'G0Vgej '''

Fcvg''	Kigo ''	Eqo o gpv''	Ucvwu''		
Qdugt xcvkqpu'l	Qdugtxcvkqpu'Htqo 'Rtgxkqwu'Tgrqtvkpi 'S wctvgtu''				
P qpg"					
Qdugt xcvkqpu'l	Htqo 'Vj ku'Tgrqtvkpi	'S wct vgt"			
46''Qev'423: "	v'423: "Pq'pgy 'etkkecn'kuwg'y cu'kf gpvkhkgf 0'				
42"P qx"423: "	Pq"pgy "etkkecn'knuwg"y cu'kf gpvkhkgf 0'				
35'F ge'423: "	Pq'pgy 'etkkecn'kuw	vg'y cu'ld gpvldegf ()'			

#### 8082' Y GGGORCTM'

808208Á Cwf k/'qdugtxcvkqpu''htqo "vj ku''tgr qtvkpi "s wctvgt"ctg"uwo o ctkugf "kp"*Vcdng''80*; "dgmy 0'Vj g" eqo r ngvgf 'ej gemkuwi'hqt"Y GGGRCTM'ctg'i kxgp''kp''*Crrgpf kz '80*; 0'

Vcdrg'80; "' Gpxkt qpo gpwrlCwf kv'Hkpf kpi u'hqt 'Crdc'KY U'''

Fcvg''	Kigo ''	Eqo o gpv''	Ucvwi'		
Qdugt xcvkqpu'I	Qdugt xc л/qpu'Ht qo 'Rt gx/qwu'Tgr qt л/pi 'S wc t луt и'				
P qpg"					
Qdugt xcvkqpu'I	Htqo 'Vj ku'Tgrqtvkpi	'S wct vgt"			
46'Qev'423: "	Pq"pgy "etkkecn'kuwg"y cu'kf gpvkfkgf 0'				
42'P qx'423: "	Pq"pgy "etkkecn'kuuwg"y cu'kf gpvkhkgf 0"				
35'F ge'423: "	P q'pgy 'etkkecn'kuwg'y cu'kf gpvkhkgf 0'				

#### 803' Qp'Hcv'Nwpi 'Kppqxcvkxg'Tguqwtegu'Nlo kygf ''

8030BÁ Cwf k/'qdugtxcvkqpu''htqo "vj ku''tgr qt vkpi "s wct vgt "ct g"uwo o ct kugf "kp"\(\bar{Vcdrg'8062}\)"dgrqy 0'Vj g" eqo r rgvgf "ej gernkuvu'hqt "Qp'Hcv'Nwpi "ct g'i kxgp'kp'\(\bar{Crrgpf kz'}80620\)'

Vcdrg'8032''Gpxktqpo gpwrlCwf kv'Hkpf kpi u'hqt 'Qp 'Hcv'Nwpi '''

Fcvg''	Kigo ''	Eqo o gpv''	Ucwi'		
Qdugt xcvkqpu'I	Qdugt xcvkqpu'Ht qo 'Rt gxkqwu'T gr qt vkpi 'S wct vgt u''				
P qpg"					
Qdugt xcvkqpu'I	Htqo'Vj ku'Tgrqtvkpi	"S wct vgt"			
46''Qev''423: "	ev'423: "Pq"pgy "etkkecn'kuwg"y cu'kf gp\khkgf 0'				
42"P qx"423: "	Pq"pgy "etkkecn'knuwg"y cu'kf gpvkhkgf 0'				
35'F ge'423: "	Pq"pgy "etkkecn'kuu	wg'y cu'ld gpuldlegf ()'			

47''

#### 8084 I gpgtcnEqpf kNqp'qh'GeqRctm'

803405Á Cwf ki' qdugtxcvkqpu" htqo "rtgxkqwu" tgrqtvkpi "swctvgtu" cpf "yj ku" tgrqtvkpi "swctvgt" ctg" uwo o ctkugf "kp"*Vcdrg'80*63"dgrqy 0'Vj g"eqo rrgvgf "ej germkuvu"qh"i gpgtcn'ukvg"kpur gevkqp"hqt" GeqRctm'ctg'i kxgp"kp"*Crrgpf kx '80*630'

Vcdig'803''I gpgtcdGeqRctdCwf kv'Hkpf kpi u'''

Fcw''	Кудо ''	Eqo o gpv''	Ucwu'
Qdugt xcvkqpu''	Ht qo 'Rt gxkqwu'T gr qt vkpi	'S wct vgt u"	
47"Icp"4239"	Xgi gvcvkqp'ku" qdugtxgf 'kpukf g'cpf " pgct''y g'r gtko gvgt" f tckpci g'pgct''y g" gpvtcpeg''qh''y g''nqv'R70"	Vj g''vgpcpv'uj qwrf " engct 'vj g''xgi gvcvkqp'' vq''cxqkf 'r qvgpvkcn'' dmqenci g''qh'vj g'' ej cppgn0'	Cu'qdugtxgf 'f wtkpi 'ukg" kpur gevkqp'qp'46'Qevqdgt" 423: .'uv{tqhqco 'f gdtku'cpf '' twddkij ''y gtg'hqwpf 'pgct'cpf '' kpukf g''y g'r gtko gvgt 'f tckpci g'' kp''cf f kkqp''vq''y g'xgi gvcvkqp'' cpf 'tguwngf 'kp'f tckpci g'' dnqenci g0'Vj g''vgpcpv'j cf '' ergctgf ''y g'xgi gvcvkqp." uv{tqhqco 'f gdtku'cpf 'twddkuj '' pgct''y g''nqv'gpvtcpeg''cu'' qdugtxgf 'f wtkpi 'ukg'' kpur gevkqp''qp''42'P qxgo dgt'' 423: 0'
39"Hgd"4239"	Vj g'\gpcpv\J MDTE" y cu'tgs wguvgf '\q" rtqxkf g''j qctf kpi 'qh'' pqv'iguu'\j cp'\4060 " y j gtg'\uksg'\dqwpf ct { " cf lqkpu'tqcf '\qt" ugtxkeg'\uksg''\tque" ceeqtf kpi '\q'\Encwug'' 35\%e+\'qh'\'j g'\Uej gf wrg'' qh'\Ckt'\Rqmwkqp'' Eqpvtqn'\%Eqpuvtwevkqp'' F wuv+\'Tgi wrcvkqp0'	*Uco g''cu''vj g''lago +''	Vj g'\gpcpv'y cu'tgs wguwgf '\q'' r tqxkf g'j qctf kpi ''cmpi ''vj g'' ukwg''dqwpf ct {0'Vj g'' qdugtxcwlqp'y km'dg'hqmqy gf/ wr 'kp''yj g''pgzv''cwf kv0'
52"P qx"4239"	Qr gp"uvqem krg"qh" f wuv{ "o cvgtkcm"y cu" qdugtxgf "kp"vj g"mv"qh" J MDTE0"	Vj g''vgpcpv'uj qwrf " eqxgt"'yj g''uvqemr krg" y kyj 'ko r gtxkqwu" uj ggv''vq''cxqkf" r qvgpvkcn'f wuv'' f kur gtucn')'	Cnj qwi j 'qr gp'uqemr kg'qh' f wuv{ 'o cygtkeni'y cu'pqv' qdugtxgf 'htqo 'yj g'ukyg'' kpur gevkqp'qp'46"Cwi wuv'423: ." yj g'vgpcpv'y cu'cmq'tgo kpf gf " vq'ko r ngo gpv'yj g'tgs wktgf 'ff wuv' eqpvtqn'o gcuwtgu'cpf 'vq'pqvkh{" yj g'Cwj qtkv{ 'hqt'ectt {kpi 'qw' pqvkhcdng'y qtm'hqt'ucvkuh{kpi " y kyj 'yj g'tgs wktgo gpwu' uvkr wncygf 'kp'yj g'Ckt'Rqmwkqp" Eqpvtqn'Qtf kpcpeg."kp" r ctvkewnct 'Ckt'Rqmwkqp" Eqpvtqn'*Eqpvut wevkqp'F wuv+" Tgi wncvkqp0'Vj g'qdugtxcvkqp" y km'dg'hqmy gf/wr 'kp'yj g" pgzv'cwf kv0'

<u>48</u>''

Fcw''	Кедо ''	Eqo o gpv''	Uve vvui'				
3; 'Crt''423: "	Fwtkpi 'ukg" kpur gevkqp.'pq" y cuvgy cvgt'vtgcvo gpv' hcektkv{'y cu'r tqxkf gf'' hqt"eqmgevkqp"qh'' eqpuvtwevkqp" y cuvgy cvgt'kp'vj g'mv'' qh'J MDTE0"	Vj g''vgpcpv'uj qwrf'' crrn('hqt'c'Fkuej cti g'' Nkegpug'wpf gt''Y cvgt'' Rqmwkqp'Eqpvtqrl' Qtf kpcpeg'*Y REQ+" cpf ''guvcdrkuj 'c'' eqpuvtwevkqp'uksg'' ftckpci g'u{uvgo ." kpenwf kpi 'rtqxkukqp'' qh'y cuvgy cvgt'' vtgcvo gpv'hcekrkukgu''vq'' gpuwtg'y cuvgy cvgt''ku'' vtgcvgf ''ghhgevkxgn('' rtkqt''vq''f kuej cti g'' cpf ''eqo rrkcpeg''y kyj '' Y REQO'	Pq"f kuej cti g"rkegpug"cpf" y curgy cvgt "ktgcvo gpv"u{uvgo " y cu"qdugtxgf "htqo "vj g"ukg" kpur gevkqp"qp"3; "Crtkn"423: 0' Vj g"qdugtxcvkqp"y km"dg" hqmqy gf/wr "kp"vj g"pgzv"cwf k0'				
Qdugtxcvkqpu'Htqo 'Vj ku'Tgrqtvkpi 'S wctvgt"							
46'Qev'423: "	Pq'pgy 'etkkecn'kuwg'y cu'kf gpvkhkgf0'						
42'P qx''423: "	Pq'pgy 'etkkecn'kuwg'y cu'kf gpvkhkgf 0'						
35'F ge'423: "	Pq"pgy "etkkecnkuwg"y cu'kf gpvkhkgf 0"						

Kuwg'3<u>''</u> \*\*\*\*\* <u>'''</u>CGE"

# 9' GPXKTQPO GPVCN'EQO RNCKPVU'PQVKHKECVKQP'QHUWO O QPU' CPF'UWEEGUUHWN'RTQUGEWKQP''

### 908 Hqmqy/wr'qp'Rtgxkqwi'Gpxktqpo gpwciEqo rækpv'''

Y curgy cvgt 'Vt gcvo gpv'cv'Uqwj 'Ej kpc't gegkxgf "qp'48" 'Qevqdgt '4238"

- 9080A Hrqy "o gvgtu"y gtg"kpuvcrngf "cv"xctkqwu"r qkpvu"qh" yi g"y cuvgy cvgt"vtgcvo gpv"u{uvgo ."g0 0' kpeqo kpi "r kr g"hqt" yi g"uvqtci g"vcpn"cv"5 IH "yi g"qwi qkpi "r kr g"qh" yi g"vtgcvo gpv"vcpn"hqt" tge {enkpi ."yi g"y cuvgy cvgt"eqnrgevkqp"r kr gu"hqt"y cuj kpi "ctgc"cv"I IH "gve0Vj g"hrqy "f cvc"y cu" tgeqtf gf "vq"o qpkqt" yi g"s wcpvkv{"qh"y cuvgy cvgt"i gpgtcvgf "htqo "f khlgtgpv"ctgcu0F wtkpi "yi ku" tgr qtvkpi "s wctvgt."pq"f kvej cti g"qh"y cuvgy cvgt"y cu"tgeqtf gf "dcugf "qp"yi g"hrqy "f cvc"tgeqtf "kpur gevgf 0'Rtkqt" vq"yi g"r tqr gt "hwpevkqpkpi "qh"yi g"y cuvgy cvgt "vtgcvo gpv"r rcpv"\*Y VR+"yi g" y cuvgy cvgt"y cu"eqnrgevgf "cpf" vtcpur qtvgf "vq"f guki pcvgf "vtgcvo gpv"hcekrkv{"d{"c"rkegpegf" eqnrgevqt"cu"c"vgo r qtct {"o gcuvtg0'
- 90804Á Writcf g"qh"vj g"Y VR"ku"r tqr qugf "d{"vj g"vgpcpv"vq"kpvtqf weg"cf f kkqpcn"vtgcvo gpv"r tqeguu0' Vj g"r tqr qucn'ku'dgkpi "wr f cvgf "d{"vj g"vgpcpv'cpf "y qwrf "dg"uwdo kwgf 'hqt 'hwt j gt 'tgxkgy 0'
- 90805Á Vj g"ecug" y km' dg" hqmqy gf "wr "kp" yj g"pgz v' tgr qt vkpi "r gt kqf "vq" gpuwt g" yj g" y cuvgy cvgt" vtgcvo gpv'u{uvgo "y km'hwpevkqp"r tqr gtn{"hqt"j cpf nkpi "qh" yj g"y cuvgy cvgt0' Vj g"vgpcpv'y cu" tgo kpf gf "yj cv'pq"y cuvgy cvgt"uj cm'dg"f kuej cti gf "wpvkt" yj g"vguvkpi "qh"vtgcvo gpv'u{uvgo "ku" eqo r ngvgf 'y kyj "yj g"f kuej cti g"s wcnkv{ 'kp'hwm'eqo r nkcpeg'y kyj "yj g"f kuej cti g"nkegpeg0"

## 904 Pgy 'Gpxkt qpo gpvcnEqo r nckpv'kp'tj g'Tgrqt vkpi 'Rgt kqf ''

90408Å D{" vj g" gpf "qh" F gego dgt" 423: ." pq" eqo r rckpv." pq\khkec\kqp" qh" uwo o qpu" qt" uweeguuhwri' r tqugewkqpu'tgrcvgf "\q" tge{enkpi "ce\kxkkgu" y cu'tgegkxgf "kp" vj ku'tgr qt \kpi "s wct \gt0'

# : EQPENWUQPU'

: (B(BÁ) Vj ku'ku'yj g'hqtv{/ugxgpyj "\*69¾+'s wctvgtn{"GO ( C'tgr qtv'r tgr ctgf 'hqt''yj g''qr gtcvkqp"r j cug''qh'' GeqRctm'cpf "eqxgtu'yj g''tgr qtvkpi "s wctvgt''htqo "Qevqdgt"vq''F gego dgt"423: ()"Vj g''tge{enkpi " cevkxkkgu''ctg''cwf kxgf "qp"c''o qpyj n{"dcuku''cpf "yj g''tguwnnu''ctg''uwo o ctkugf "kp"yj ku''tgr qtv\"b["yj g''tgr qtvkpi "s wctvgt."yj gtg" grgxgp" vgpcpvu "kp" GeqRctm'Rj cug"3"cpf "Rj cug"4."qpg" qr gtcvqt"qh''Y GGG''Tghwtdkuj o gpv''cpf "Y GGG(RCTM'kp"GeqRctm'Rj cug"4."cpf "qpg" vgpcpv' y j qug''vgpcpe{"gzr ktgf ()'

: 0804Á Vj g"GV"j cu"eqpf wevgf "o qpvj n{ "ukvg"kpur gevkqpu"y j krg" vj g"KGE"j cu"ecttkgf "qwv"hwm'ukvg" kpur gevkqp"qp"s wctvgtn{ "dcuku"cpf "tcpf qo "ukvg"cwf kwu"qp"o qpvj n{ "dcuku."cpf "uqo g"i gpgtcn' qdugtxcvkqpu"j cxg"dggp"o cf g0'Vj g"crrtqxgf "ej gemrkuv'j cu"dggp"wugf "kp" vj g"o qpvj n{ "ukvg" kpur gevkqpu"hqt"xctkqwu"vgpcpvu0'

: OBOSÁ Vj g"vj tqwi j r wwu"qh"Y GGG(RCTM"cpf "vj g"pkpg"cevkxg"vgpcpvu"kp"vj g"tgr qt vkpi "s wct vgt "ctg" uwo o ctkugf "kp" \( Vcdrg'': OBO'\) Rrgcug" pqvg" vj cv'r tqf wev' qwr ww'r nwu" y cuvg" f kur qucn' f q" pqv' pgeguuctkn{"gs wcn' vj g"y cuvg"kpr ww."f wg"vq"o cvgtkcn' nquugu"f wtkpi "r tqeguukpi "cpf"o cvgtkcn' tgvckpgf 'y kij kp' vj g'nqvuO'

Vcdrg'! B'' \	Vi tawi i	r wy'Urc vkuk	eu'hat 'vi	g'T gr at vkg	i'S wctvet''
---------------	-----------	---------------	------------	---------------	--------------

O cvgt kcrlV{ r g''	Y cwg'Kprw'' *vqppgu+''	Rt qf wev'Qwr wy'***' *vqppgu+''	Y curg'F kir qugf '***' *vqppgu+''	
Y cuvg''Qti cple''Hqqf''	6: 9"	743"	96"	
Y cuvg''Hgttqwu''O gvcnu''	54.: 89"	53.324"	365"	
Y cuvg"Y qqf"	472"	37: "	/"	
Y cuvg'Grgevtqpkeu"	3; 8"	43; "	93"	
Y cuvg''Rrcuvkeu''	676"	656"	/"	
Eqpurt weekqp"Y curg"	4.375"	34.789"	53"	
Y cuvg'I rcuu'"	55: "	34.789	33	
Y cuvg'Twddgt'V{tgu"	plc"	plc"	plc"	

#### <u>P qvgu<'''</u>

: 08.06Å NHI "o qpkqtkpi "f wtkpi "y g"tgr qt kpi "s wct vgt "y cu"wpf gt vcngp"qp"35 <sup>ij</sup> "F gego dgt"423: "cv" hkxg"nqeckqpu"\*vj tgg"kp"Rj cug"3"cpf "w q"kp"Rj cug"4+0"P q"gzeggf cpeg"qh"Cekqp"qt"Nko k/' Ngxgn'y cu't geqtf gf 'kp'vj g'tgr qt kpi 's wct vgt 0'

:  $(B07 \text{\AA} - P \text{ wo dgtu'qh'eqo r nckpvu.'uwo o qpu'cpf ''uweeguuhwri'r tqugewkqpu'kp''yj g'tgrqtvkpi ''s wctvgt''ctg'' uwo o ctkugf ''dgmqy <math><$ ''

•Á Eqornclpw≺\ gtq0'

<sup>3-</sup>Å Vj g"ý tqwi j r w"f cvc"r tgugpvgf "cdqxg"ku"ý g"dguv"cxckredrg"f cvc"cpf "j cu"dggp"tqwpf gf "qhh"vq"ý g"pgctguv"y j qrg"vqppg" hqt"r tgugpvcvkqp0"

<sup>5+</sup>Á Y cuvg"f kur quen't ghgtu'\q''y g"f kur quen'qh'i gpgten't ghwug'™Ng0'r cenrei kpi +"cpf lqt"ej go keen'y cuvg0''

<sup>6+</sup>Á Ukpeg" yi g"tge{enkpi "qh'y curg"i ncun"cpf "eqpuntwerkqp"y curg"kn"eqo dkpgf "vq"r tqf weg"eqpetgyg"dnqem'cv"MDY cj." yi g"r tqf wev'qwr wn'cpf "y curg"f knr qucn'htqo "dqyj "r tqegungu'ctg"eqo dkpgf 0'

<sup>7+</sup>Á õ/ö'kp''yj g''eqnwo p''qhi'y cuvg''f kur qucn'f gpqygu'| gtq''s wcpvkv{="y j krg''ŏplcö''f gpqygu''wpcxckrcdng'kphqto cvkqp0'

Rt qlgev'P qC3838"

GeqRctmlQrgtcvlqp"

S wet vgt n 'Gpxkt qpo gpwnO qpkqt kpi '( 'Cwf kv'T gr qt v'\*Oevqdgt '5'F gego dgt '423: +''''''''

4. "

- •Á Uwo o qpu≮\ gtq0'
- •Á UweeguuhwiRt qugewkqpu<'\ gtq0'

: (B)(8Å Kp"vj g"pgzv"tgr qt kpi "s wct vgt ."NHI "o qpkqt kpi "kp"qr gtc kqp"r j cug"hqt "Rj cug"3"cpf "Rj cug"4" y km'dg"eqp kpwgf 0'

Rt qlgev'P qtC3838"

GeqRct miQr gt c vkqp"

"

S wct vgt n' Gpxkt qpo gpvcnlO qpksqt kpi '( 'Cwf ks'T gr qt v'\*Oevqdgt '6'F gego dgt '423: +'''''''''''

"
"
"

Crrgpf kz'3'

Gpxktqpo gpvcn'Okki cvkqp'Ogcuwtgu'' \*htqo 'vjg'Korngo gpvcvkqp''Uejgfwng+"

Kumg'3""""CGE"

Rt qlgev'P q0<3838''

GeqRct miQr gt c skqp''

S wet ygt n' 'Gpxkt qpo gpwnO qpksqt kpi '( 'Cwf ks'Tgr qt v'\*Qevqdgt '6'F gego dgt '423: +''''''''

C3/3"

GKC'Tgh0'	GO(C''	Gpxkt qpo gpvcriRt qvgevkqp'O gcuwt gu'Kf gpvkhtgf 'kp'tj g'' Ko rngo gpvcvkqp'Uej gf wng'tj cv'ct g'Crrnkecdng'tq'tj g'' Qrgt cvkqp'Rj cug'qh'GeqRct m'	Nqecvkqp'TF wtcvkqp'qh' O gcuwtgu'TVko kpi 'qh' Eqo rugvkqp'qh'O gcuwtgu'	Ko rngo gpwdqp'' Ci gpv''	Tgrgxcpv'Ngi kurvkqp'' cpf 'I wlf grlpgu'
I gpgt cn'					
707045'\q" 707047." 3204046'( " 3204059"	60407" vq" 6040 "	Vj g''Qr gtcvqt''uj cm'f gxgmr ''cpf 'ko r ngo gpv''cp''Go gti gpe{" Tgur qpug''Rncp'*GTR+''yj cv'ikuvu''yj g'r tqegf wtgu''vq''dg''hqmqy gf 'kp'' ecug''qh'hktg.''hwgm'qt''ej go kecn'ur kmci g''qt''qvj gt''go gti gpe{''y kyj kp'' vj g''GeqRctm'0'	Vj tqwi j qwl'y g'f wtcwlqp"qh" y g"qr gtcwlqp0"	Qr gtcvqt"	п
3404"	904"	P q'r tqeguu'uj cm'dg''cmqy gf ''q''qr gtcvg''y ky kp''GeqRctn'ly ky qw'' crrtqxcn'lntqo ''Y HDW0Crrtqxcn'y km'dg''dcugf ''qp''y g''ygp/uvgr'' Rtqeguu''Tgxkgy .''y j kej ''o c{'kpenwf g''c'F guki p''Cwf kv'kh'f ggo gf ''\q'' dg''pgeguuct{0'	Vj tqwi j qw'vj g'f wtcwqp'qh' yj g''qr gtcwqp0'	GV" KE" Rtqlgev" Rtqr qpgpv"	"
"	: (36)4"	Cm'tgrqtvu'™penwfkpi "Rtqeguu'Tgxkgy "Ej gemkunu'cpf"cp{'Fgukip' Cwfkuu-'uj cm'dg'rtgrctgf"cpf"egtvkhkgf"d{"vjg"GV.'xgtkhkgf"d{"vjg" KGE"cpf"crrtqxgf"d{"vjg"Rtqlgev'Rtqrqpgpv0'	Vj tqwi j qwi'y g'f wtcwlqp"qh" eqpuvtwewlqp"y qtmu"wpwlm" eqpuvtwewlqp"ku"uwduvcpwlcm(" eqo r ngwgf 0' Vj tqwi j qwi'y g'f wtcwlqp"qh" y g"qr gtcwlqp0'	GV" KE" Rtqlgev" Rtqr qpgpv"	п
3405"	905"	Vj g''Qr gtcvqt''uj cm'r tgr ctg''cpf 'ko r ngo gpv'cp''Gpxktqpo gpvcn'' O cpci go gpv'Rncp''*GO R+''vq''f ghkpg''o gej cpkuo u'hqt''cej kgxkpi ''vj g'' gpxktqpo gpvcn'tgs wktgo gpvu''ur gekhkgf 'kp''yj g''GKC.''GR''cpf 'kp'' uvcwvqt { ''tgi wncvkqpu0'	Vj tqwi j qw'vj g'f wtcvkqp'qh' yj g''qr gtcvkqp0'	Qr gtcvqt"	п
Cht 'S we nky	"				
3504"	"	Vj g''Qr gtcvqt''uj cm'gpuwtg''yj cv'GeqRctm'õdcug''ecugö''cuuwo r vkqpu'' hqt''ckt''s wcrkx{ "uj qy p''kp''Vcdrg''3508''qh''yj g''Hkpcrl'GKC''Tgr qtv''ctg'' o gv''d{ ''vgpcpvu.''cu''c''y j qrg0''	Vj tqwi j qwl'y g'f wtcwqp"qh" y g"qr gtcwqp0'	Qr gtcvqt"	Vcdrg'3508''qh''y g''Hlpcri' GKC''Tgr qtv''
Y cvgt 'S wcr	kv{"				
7663'( " 780" "		Vq"o kpko kug"\j g"ej cpeg"qh"ceekf gp\cn'\ur kmci g"f \text{ wtkpi "mqcf kpi "cpf " wpmqcf kpi ."cpf "\j gtgd { "tgf weg"o ctkpg"\y c\vett'\s \text{ wcrk\{ "ko r ce\vett." y gm" gu\cdrk\uj gf "ecti q"j cpf rkpi "i \text{ wkf grkpgu"\uj q\text{ wf "dg"hqmqy gf 0'}	Cf lcegpv'vq'GeqRctm' o ctkpg'htqpvci g'y j gp" rqcf kpi "qt"wprqcf kpi "i qqf u0'	Qr gtcvqt" Qr gtcvqtu"qh" dwm'ecttkgtu"	Ugevkqpu'7'( '8"qh'KO Q" Eqf g"qh'Rtcevkeg'hqt''y g" Uchg'"Nqcf kpi 1"Wpmcf kpi " qh'Dwm'Ecttkgtu"

Kuwg'3<u>''</u>

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C3/4"

Rt qlgev'P q0<3838''

GeqRct miQr gt c skqp''

S wet ygt n' 'Gpxkt qpo gpwnO qpksqt kpi '( 'Cwf ks'Tgr qt v'\*Qevqdgt '6'F gego dgt '423: +''''''''

GKC'TgHI'	GO ( C'' Tgh0'	Gpxkt qpo gpvcriRt qvgevkqp'O gcuwt gu'K gpvkktgf 'kp'tj g'' Korngo gpvcvkqp'Uej gf wng'tj cv'ct g'Crrnkecdng'tq'tj g'' Qrgt cvkqp'Rj cug'thl'GeqRctni'	Nqecvkqp'TF wtcvkqp'qh' O gcuwt gu'TVko kpi 'qh' Eqorngvkqp'qh'O gcuwt gu'	Ko rngo gpwykqp'' Ci gpv''	Tgrgxcpv'Ngi krevkqp'' cpf 'I wlf grlpgu'
70703; "	"	Eqpvco kpcvgf 'y cvgt 'eqmgevgf 'kp' vj g'uwthceg'f tckpci g'u { uvgo u' uj cm'dg' vtgcvgf ''cv' vj g'Y VH'qt ''qvj gt ''crrtqrtkcvg' vtgcvo gpv'hcektk { 0'	Y ky kp'GeqRctm'y tqwi j qw' y g'hhg'qh'y g'hcekhk{0'	Qr gtcvqt"	"
707045'\q" 707047"	60407" vq" 60409"	Cp'Go gti gpe{"Tgur qpug"Rrcp"*GTR+"y kn'dg'hqto wrvgf "\q" cf f tguu'xctkqwu'ceekf gpv'uegpctkqu0'Vj g'GTR'y kn'dg'egtvkhkgf "d{" yi g'Gpxktqpo gpvcn'Vgco "*GV+"cpf "xgtkhkgf "d{" yi g'Kpf gr gpf gpv' Gpxktqpo gpvcn'Ej gengt"*KGE+"wpf gt "yi g"qr gtcvkqp"GO(C" rtqi tco o g0'"	Y ky kp'GeqRctm'y tqwi j qw/' y g'ntlg'qh'y g'hcekrk/{0'	Qr gtcvqt"	"
7866"	"	Hqt'wpeqxgtgf'ctgcu'y j gtg'tgeqxgt{'rtqeguu'kfgpvkhkgf'cu'ecwukpi''rqvgpvkcm{'j ki j ''ngxgn'qh'eqpvco kpcvkqp'ctg''nqecvgf.''uvqr/mi u'y km''dg'kpuvcmgf'kp'vjg'rgtko gvgt''ftckpci g''u{uvgo ''vq'kuqncvg''eqpvco kpcvkqp0'	Y kyj kp'GeqRctm'yj tqwi j qw/' yj g'hkhg'qh'yj g'hceknkv{0'	Qr gtcvqt"	"
"	60404"	Vj g'GV'uj qwf 'f gxgmr 'cp''cwf kl'ej gemkw.'y kj ''y g''ci tggo gpv'qh'' y g'KGE.''vq''gpuwtg''y cv''gcej ''o kki cvkqp''o gcuwtg'ku'ko r ngo gpvgf '' y j gp''crrtqrtkcvg''cpf ''qrgtcvgf ''eqttgevn(''y j gp''ko r ngo gpvgf 0'	Y kyj kp'GeqRctm'yj tqwi j qw'' yj g'hkhg''qh''yj g'hcekrkv{0'	GV'y ky "KGE"	=
Y cuvg'O cp	ci go gpv"				
80 09"	70406"	Vj g'Qr gtcvqt''uj qwrf 'tgi kungt''y ky 'GRF 'cu'c'ej go kecn'y cung'' r tqf wegt0'	Y ky kp'GeqRctm'y tqwi j qw' y g'nkhg'qh'y g'hceknkv{0'	Qr gtcvqt"	Y cuvg"F kur qucn"" *Ej go kecn"Y cuvg+" *I gpgtcn+"Tgi wrcvkqp"
80 038"	"	Vj g"f ww'eqngevgf "d{"cp{"ckt"r qmwkqp"eqpvtqn'gs wkr o gpv" kpuvcngf "d{"vgpcpvu"o ww'dg"vguvgf "vq"gpuvtg"eqo r nkcpeg"hqt" ncpf hkm'f kur qucn0'	Y kıj kp'GeqRctm'yj tqwi j qw'' yj g'hkhg'qh''yj g'hcekrkv{0'	Qr gtcvqt"	Rtcevkeg"P qvg"hqt"f kur qucn' qh'f wuv{ "y cuvg"cv'ncpf hkmu" ( "Cf o kuukqp"Vkengv" U{ uvgo "
80 03: "( " 80 044"	70406"	Unwf i g'y kni'dg'f kur qugf "qh'cv'Y GP V'rcpf hkm "qt "cv'cp{ 'hwwtg" f gf kecvgf ''unwf i g''t gcvo gpv'hcekrkv{0'Unwf i g''y kni'dg''eqmgevgf "d{"c" Nkegpugf "eqmgevqt "cv't gi wrct "kpvgt xcnu. "cu'f gvgt o kpgf "d{"vj g" qr gtcvkqp"qh'vj g''Y VHO'	Y kıj kp'GeqRctm'ıj tqwi j qw'' yj g'hkhg''qh''ıj g'hcekıkı\{0'	Qr gtcvqt"	"

Kuwg'3<u>''</u>

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Rt qlgev'P q0<3838''

GeqRct miQr gt c skqp''

S wet ygt n' 'Gpxkt qpo gpwnO qpksqt kpi '( 'Cwf ks'Tgr qt v'\*Qevqdgt '6'F gego dgt '423: +''''''''

C3/5"

GKC'Tgh0'	GO ( C'' Tgh)'	Gpxkt qpo gpvcriRt qvgevkqp'O gcuwt gu'K gpvkklgf 'kp'vj g'' Korngo gpvcvkqp'Uej gf wng'vj cv'ct g'Crrnkecdng'vq'vj g'' Qrgt cvkqp'Rj cug'vpl'GeqRctni'	Nqecvlqp'TF wtcvlqp'qh' O gcuwt gu'TVko kpi 'qh' Eqorngvlqp'qhO gcuwt gu'	Ko rngo gpwykqp'' Ci gpv''	Tgrgxcpv'Ngi kurcvkqp'' cpf 'I wlf grlpgu'
80 043"	70406"	Ej go kecn'y cuvgu'uj cm'dg''uvqtgf 'kp''crrtqrtkcvg''eqpvckpgtu'kp''c'' eqxgtgf ''ctgc0'6P q''Uo qmkpi ö''uki pu'y km'dg''engctn( 'f kurnc{gf ''vq'' rtgxgpv''ceekf gpvcn'ki pkkqp''qh'hnco o cdng''o cvgtkcnn0F tkr ''vtc{u'' ecrcdng''qh''uvqtkpi ''332' ''qh''y g''xqnwo g''qh''y g''ncti guv''eqpvckpgt'' y km'dg''wugf ''vq''o kkki cvg''r quukdng''ngcnnci g0'	Y ky kp'GeqRctm'y tqwi j qw' y g'nthg'qh'y g'hcekrkv{0'	Qr gtcvqt"	Eqf g"qh"Rtcevleg"qp"vj g" Rcenci kpi ."Ncdgntpi "cpf " Uvqtci g"qh"Ej go kecn" Y cuvgu"
=	70405" (" 70407"	Vj g'GV'tıj qwrf "f gxgrqr "cp"cwf kv'ej gemkuv. 'y kvj "vj g'ci tggo gpv'qh" vj g'KGE. 'vq"gpuwtg'vj cv'gcej "o kvki cvkqp"o gcuwtg'ku'ko r ngo gpvgf "y j gp"crrtqrtkcvg"cpf "qrgtcvgf "eqttgevn("y j gp"ko r ngo gpvgf 0'	Y ky kp'GeqRctm'y tqwi j qw'' y g'nthg'qh'y g'hcekrkv{0"'	GV'y ký "KGE"	"
80 09"	70406"	Vj g'Qr gtcvqt''uj qwrf 'tgi kuvgt''y ky 'GRF 'cu'c'ej go kecn'y cuvg'' r tqf wegt0'	Y kıj kp'GeqRctm'ıj tqwi j qw'' ıj g'hkhg'qh''ıj g'hcekıkı{0'	Qr gtcvqt"	Y cuvg"F kur qucn'"  *Ej go kecn"Y cuvg+"  *I gpgtcn+"Tgi wrcvkqp"
Rt gxgpvkqp'	'qИЕqр <i>w</i> 0	kpc vgf "Ncpf"			
9 <b>&amp;®</b> "	70504"	Cp{"ur kmci gu"qh"eqpvco kpcvkpi "o cvgtkcn"uj cm"dg"engcpgf"wr" ko o gf kcvgn("vj tqwi j "vj g"wug"qh"cp"cduqtdgpv0Cp{"uwej "wugf" o cvgtkcn"uj qwnf"vj gp"dg"eqpukfgtgf"ej go kecn'y cuvg"cpf"fkur qugf" qh"crrtqrtkcvgn(0"	Y ky kp'GeqRctm'y tqwi j qw' y g'nkhg'qh'y g'hceknkv{0'	Qr gtcvqt"	"
9555"	"	Cp{"ctgcu"y kj kp"yj g"nqv"vq"dg"wugf "hqt"tge{enkpi "rtqeguugu"uj cm" dg"eqpetgvg"rcxgf"dghqtg"tge{enkpi "cevkxkkgu"eqo o gpeg0'	Y ky kp'GeqRctm'y tqwi j qw'' y g'htkg'qh'y g'hcekhv{0'	Qr gtcvqt"	"
90507"	70504"	F wtkpi "qr gtckqp." y g'i tgcvguv't kumiqhi'ncpf "eqpvco kpcvkqp" y km" eqo g'htqo "uvqtci g'qh'ej go kecn'y cuvgu." y gtghqtg" y g'o gcuwtgu" uj qwf "dg'hqmqy gf" <"  •Á Cm'ej go kecn'uvqtci g"ctgcu'uj cm'dg"r tqxkf gf "y ky "nqemu'cpf" dg'ukgf "qp"ugcngf "ctgcu0Vj g'uvqtci g"ctgcu'uj cm'dg" uwttqwpf gf "d{"dwpf u'y ky "c"ecr cekv{"gs wcn'vq"332' "qh'y g" uvqtci g"ecr cekv{"qh'y g'ncti guv'vcpm'vq'r tgxgpv'ur kngf "qkn'cpf" ej go kecn'htqo "eqpvco kpcvkpi "y g"i tqwpf 0'	Y ky kp'GeqRctm'y tqwi j qw' y g'nkhg'qh'y g'hceknkv{0'	Qr gtcvqt"	"
		•Á Ej go kecn'y cuvgu'y km'dg"eqmgevgf."uvqtgf"cpf"fkur qugf"qh'kp"			

Kuwg'3<u>''</u>

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Rt qlgev'P q0<3838''

GeqRct miQr gt c skqp''

S wet ygt n' 'Gpxkt qpo gpwnO qpksqt kpi '( 'Cwf ks'Tgr qt v'\*Qevqdgt '6'F gego dgt '423: +''''''''

C3/6"

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		ceeqtfcpeg'y kaj ''yj g'Tgi wrcwlqp0Fkurqucn'qh'qvj gt" eqpuvtwewlqp'y cuvg'y km'dg'wpfgtvcngp''d{"hegpugf" eqpvtcevqtu'lp''ceeqtfcpeg'y kaj ''crrnlecdng''uvcwwqt{" tgswktgogpvu'lp''y g''YFQ0"			
		•Á Ej go kecn'y cuvgu'uj cm'dg''j cpf rgf "ceeqtf kpi "vq'vj g'tgrgxcpv'' eqf g"qh'r tcevkeg0'Ur gpv'ej go kecnu'uj cm'dg'uvqtgf "cpf " eqnrgevgf "d{"cp"crrtqxgf "qr gtcvqt"hqt"f kur qucn'cv'c"hegpugf " hcektk/{ "kp"ceeqtf cpeg"y kj "vj g'tgrgxcpv'tgi wrcvkqp0'			
Nepf Hard I c	u''				
: \$\text{9B2"( "} : \text{9B3"}	80804"	<ul> <li>•Á Crgtv'y qtmgtu'cpf "xkukqtu'qh'r quukdrg"NHI "j c  ctf u"</li> <li>•Á Rtqj kdkv'uo qmkpi "cpf "qr gp"hktgu"qp"ukg"</li> <li>•Á Eqpf wev'tgi wrct™s wctvgtn(+"NHI "o qpkqtkpi "cv'o qdkrg" qhhkegu."gs wkr o gpv'uvqtgu. "gve0"</li> </ul>	Y ky kp'GeqRctm'y tqwi j qw'' y g'hthg'qh'y g'hcekrkv{0"'	Qr gtcvqt"	"
11	8665"	Hqmqy kpi "eqpuntwerkqp."tqwkpg"o qpyj n{ "o qpkqtkpi "o c{"dg" tgs wktgf "cvlugtxkeg"xqkf u"cpf "wktkx{ "dqzgu0'Vj g"o qpkqtkpi " tgs wktgo gpv'cpf "ur gekhke"nqecrkqpu"qh"o qpkqtkpi "r qkpwu"uj cm'dg" guvcdnkuj gf "dcugf "qp"vj g"hkpf kpi u"qh'vj g"o qpkqtkpi "ecttkgf "qw" f wtkpi "eqpuntwerkqp" "ku0'kh"pq"NHI "ku"f gwgeryf "f wtkpi "eqpuntwerkqp" vj gp"pq"tqwkpg"o qpkqtkpi "ku"tgs wktgf +0'Vj g"pggf "hqt"eqprkpwyf" o qpkqtkpi "uj cm"j qy gxgt."dg"tgxkgy gf "vj tqwi j "f kuewuukqp"y kj " GRF 0'	Y ky kp'GeqRctm'y tqwi j qw' y g'hkhg'qh'y g'hcekrkv{0'	Qr gtcvqt"	"
J c/ctf '\q'\	Mg"				
320605"	"	Dwkrf kpi 'j gki j v'nko kv'y ky kp'GeqRctm'uj cm'dg"cr r nkgf 'vq" uvt wewt gu'y ky kp'y j kej 'r gqr ng'o c{ 'y qtm'cv'gngxcvgf 'ngxgnu0'	Y kj kp'GeqRctm'y tqwi j qw' y g'hthg'qh'y g'hcekrk{0'	Qr gtcvqt"	GKC 'T gr qtv'Vcdrg'3204"
Nepf weerg"	cpf 'Xkuwcı	"			
; 0606"	"	KVtgeqo o gpf gf "vj cv'vj ku"eqo o qpcrkv{ "dg"r tqo qvgf "vj tqwi j qw" GeqRctm'd{ "vj g"Qr gtcvqt"cpf "cf qr vgf "d{ "\gpcpvu. "kh"r tcevkecdrg0'	Y kj kp'GeqRctm'y tqwi j qw'' y g'hkhg''qh''y g'hcekrk{0'	Qr gtcvqt"	"

Kuwg'3<u>''</u>

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Rt qlgevP q0<3838"	11	
GeqRctmQrgtcvlqp''	'' Cwf lw'Tgr qt v'*Oewydgt '6'Fgego dgt '423: +''	u .

Gpxktqpo gpvcn'Tgswktgo gpvu'kp''Vgpcpe{'Ci tggo gpvu''

Crrgpf kz'4'

Kung'3"" """"CGE"

Rt glgevP gC 3838''	"		
GeqRctmQrgtcvkqp''	"		<del></del> ''
S wet vgt nf 'Gpxkt qpo gpve niO qpkv	qtkpi '( 'Cwf k/Tgr qt v'*Qevqdgt '6'Fgego dgt '423: +''	*****	•

## Crrgpf kz'403'

Gpxktqpo gpvcn'Tgs wktgo gpwl'kp''Vgpcpe{''Ci tggo gpwl'' \*Rj cug'3+"

Kung'3" " """CGE"

#### NERAL ENVIRONMENTAL RESPONSIBILITIES

- The Tenant shall at its own cost(s) comply with and shall ensure that the Premises is used, designed, constructed, operated and maintained in accordance with:-
  - (a) All relevant Ordinances, by-laws, regulations, statutory technical memorandums, codes of practice, rules, non-statutory guidance notes, schemes and abatement notices for the time being in force in Hong Kong including those relating to the environment and governing the control of any form of pollution (see specific Ordinances mentioned hereinbelow) and licensing requirements under relevant Ordinances and regulations.
  - (b) All information, mitigation measures, prohibitions, restrictions, recommendations and requirements under the Environmental Impact Assessment Report for Development of an EcoPark in Tuen Mun Area 38 with Appendices, i.e. the EIA Report (Register No.: AEIAR-086/2005) dated April 2005, the Final EM&A Manual dated April 2005, the application documents including all attachments (Application No. AEP-226/2005) and other relevant documents in the Register (or in any other places, any internet websites or by any other means as specified by the Director), including the prohibitions and mitigation measures for processes in Table 14.1 and the material throughputs, processes and remarks in Table B.1 of the EIA Report (in so far as applicable).
  - (c) All information, conditions, submissions, mitigation measures, orders, notices, requirements, prohibitions, restrictions and time limits under the Environmental Permit No. EP-226/2005 as amended by the Variation of Environmental Permit Application No.VEP-221/2006 (including updated information about the Permit, any amended permit and any further permit) and all mitigation measures recommended and to be recommended in submissions that shall be deposited with or approved by the Director as a result of permit conditions contained in the Environmental Permit No. EP-226/2005 as amended by the Variation of Environmental Permit Application No.VEP-221/2006 (including updated information about the Permit, any amended permit and any further permit). The Tenant shall refer to, inter alia, Conditions 4.1 to 4.14 (and Annexes A and B) and Conditions 3.7 and 3.8 (and Figures 2 and 3) of the Environmental Permit No. EP-226/2005 as amended by the Variation of Environmental Permit Application No.VEP-221/2006 regarding measures to mitigate air quality impact, measures to mitigate hazard to life impact, measures to prevent land contamination, measures to mitigate landfill gas hazard, maintenance of landscape and visual measures (see also hereinbelow regarding Condition 5 of the Environmental Permit and specified Ordinances).
  - (d) All information, conditions, submissions, mitigation measures, orders, notices and requirements under on going surveillance and monitoring activities during all stages of the Project and during the tenancy under the Tenancy Agreement (e.g. any additional mitigation measures recommended and to be recommended under the Process Review and Design Audit (carried out and to be carried out in accordance with the EM&A Manual) for various environmental impacts including, but not limited to,

- noise pollution, air quality, hazard to life, landfill gas hazard, landscape and visual measures, waste management and land contamination).
- (e) All recommendations referred to in the documents of the EIAO Register which are not expressly referred to in Environmental Permit No. EP-226/2005 as amended by the Variation of Environmental Permit Application No.VEP-221/2006 and any amended Environmental Permit (unless expressly excluded or impliedly amended in the Environmental Permit No. EP-226/2005 as amended by the Variation of Environmental Permit Application No.VEP-221/2006 and any amended Environmental Permit).
- 9.2 Further to Condition Nos. 6 and 8 hereinabove, the Tenant shall at its own cost provide relevant environmental monitoring data, information, documents and assistance to the Director and/or the Environmental Protection Department and shall permit authorised representatives of the Environmental Protection Department to access, inspect, take samples and monitor the Premises and operations for the Process Review and the Design Audit carried out and/or to be carried out pursuant to Conditions 4.1 and 5 of the Environmental Permit No. EP-226/2005 as amended by the Variation of Environmental Permit Application No.VEP-221/2006 (and any updated Permit, amended permit and further permit).
- 9.3 If the Tenant's operations (i.e. activities and facilities for recovery and/or recycling and/or reprocessing) are not covered by the EIA Report and/or deviate from the development parameters mentioned in inter alia the EIA Report, the Environmental Permit No. EP-226/2005 as amended by the Variation of Environmental Permit Application No.VEP-221/2006 (including the parameters at Annex A) and/or any environmental licence (e.g. the Water Treatment Facility ("WTF") Discharge Licence), and if additional mitigation measures are not available or are not effective in the opinion of the Director, to ensure compliance with the EIA Report, the Environmental Permit No. EP-226/2005 as amended by the Variation of Environmental Permit Application No.VEP-221/2006 (including any updated Permit, amended permit and further permit) and the relevant environmental licence(s), the Tenant shall comply with any modified parameters and/or the Tenant shall immediately modify its operations in such a way that the findings and requirements of the EIA Report, the Environmental Permit No. EP-226/2005 as amended by the Variation of Environmental Permit Application No.VEP-221/2006 (including any updated Permit, amended permit and further permit) and the environmental licence(s) are complied with and shall immediately cease to continue the offending part of the operations or activity in question.
- 9.4 The Tenant shall at its own cost(s) apply for, obtain, renew, maintain and comply with all the relevant licences related to compliance with all relevant Ordinances, by-laws, regulations, statutory technical memorandums, codes of practice, rules, non-statutory guidance notes, schemes, abatement notices and the environmental permits for the time being in force in Hong Kong (including those relating to the environment and governing the control of any form of pollution). The Tenant shall obtain, renew and comply with all the said licences within the relevant time limits (in any event, within one (1) calendar month of the date of signing and/or execution of the Tenancy Agreement), shall comply with all abatement notices, orders, directions and requests of the relevant authorities and public officers and shall be responsible for paying all relevant fees, costs, fines and penalties.

- 9.5 The Tenant shall not do anything or omit to do anything which would cause, contribute to or involve a breach or potential breach by the Director relating to any of the matters mentioned in Conditions 9.1 to 9.4 hereinabove (and other Conditions hereinbelow).
- The Tenant shall fully indemnify the Government and/or the Director for any fees, costs, damages, expenses, fines, penalties, losses and claims arising (a) out of any breach of any of the matters mentioned in inter alia Conditions 9.1 to 9.4 hereinabove (and other Conditions hereinbelow) or (b) from the use of the Premises or (c) out of any works carried out at any time during the term to or at the Premises or (d) out of anything now or during the term attached to or projecting from the Premises or (e) from any neglect or default by the Tenant or by its respective servants or agents or by any express licensee of the Tenant.

#### SPECIFIC ENVIRONMENTAL RESPONSIBILITIES

#### Air Pollution

- Save with an appropriate exemption under the Air Pollution Control Ordinance (Cap. 311 of the Laws of Hong Kong) any regulations made thereunder and any amending legislation, the Tenant shall not install or permit or suffer to be installed upon the Premises or any part thereof or any building(s) or structure(s) or part of any building(s) or structure(s) erected or to be erected thereon any furnace, oven, chimney or flue or any other combustion equipment or use or permit or suffer to be used any fuel or any method or process of manufacture or treatment that might in any circumstance result in, cause or contribute to the discharge or emission of any pollutant or any noxious, harmful or corrosive matter, whether it be in the form of gas, smoke, liquid, solid or otherwise (including but not limited to air pollutant as defined in Section 2 of the Air Pollution Control Ordinance (Cap. 311 of the Laws of Hong Kong)), which exists or which is imminent, without the prior written approval of the Director.
- 11. No alteration to the installation and method of manufacture shall be made without the prior written consent of the Director. In any event, the Tenant shall at its own cost(s) comply with, inter alia, Conditions 4.2 to 4.7 and Annex A of the Environmental Permit No. EP-226/2005 as amended by the Variation of Environmental Permit Application No.VEP-221/2006 regarding design, installation and operation of chimney, location of fresh air intakes and use of ultra-low sulphur or other cleaner fuel(s) as agreed by the Director (and the conditions of any updated Permit, amended permit and further permit regarding measures to mitigate air quality impact), good practices and relevant provisions of the EIA Report and Final EM&A Manual.

#### Noise Pollution

12. The Tenant shall take all necessary measures as may be required by and to the satisfaction of the Director to ensure that the operation of all plant and equipment, installed or used on the Premises or in any building(s) or structure(s) erected or to be erected thereon, will not result, not cause and/or will not contribute any noise (which exists or which is imminent) which disturbs or annoys the residents or occupiers of any adjoining or neighbouring lot or lots or premises, or causes and/or contributes to

disturbance to the general public under the Noise Control Ordinance (Cap. 400 of the Laws of Hong Kong) any regulations made thereunder and any amending legislation.

13. The decision of the Director as to whether any such plant and equipment are causing disturbance or annoyance as aforesaid shall be final and binding on the Tenant.

#### Waste Management

- 14. The Tenant shall not permit, allow or suffer any fuel or chemical and any sewage, waste water or effluent containing sand, cement, silt or any suspended or dissolved material to flow, escape or run from the Premises onto any adjoining land or allow any waste matter which does not form part of the recovery and/or recycling and/or reprocessing operation or is not part of the final product of such operation to be deposited, kept, held or stored anywhere within the Premises and other areas of EcoPark. The Tenant shall at its own cost(s) have all such matters and all waste arising from recycling activities, chemical waste arising from maintenance of plant and equipment, sewage sludge (from WTF) and general daily waste from the operation removed from the Premises or any building(s) or structure(s) or any part of any building(s) or structure(s) erected or to be erected thereon in a proper manner to the satisfaction of the Director.
- In any event, the Tenant shall at its own cost(s) comply with, inter alia, Conditions 4.11 and 4.12 of the Environmental Permit No. EP-226/2005 as amended by the Variation of Environmental Permit Application No.VEP-221/2006 regarding paving all areas of the Premises with concrete/using concrete hardstanding and siting all fuel tanks and chemical storage areas on the specified sealed areas, respectively (and comply with the conditions of any updated Permit, amended permit and further permit regarding measures to prevent land contamination). The Tenant shall at its own cost(s) comply with relevant provisions of the Waste Disposal Ordinance (Cap.354 of the Laws of Hong Kong) good practices and relevant provisions of the EIA Report and Final EM&A Manual.

## Water Pollution

In the event that the Tenant produces, generates, permits, causes, allows or suffers any discharge which is subject to control under the Water Pollution Control Ordinance (Cap. 358 of the Laws of Hong Kong) any regulations made thereunder and any amending legislation, and is not covered by a WTF Discharge Licence issued under the Water Pollution Control Ordinance (Cap. 358 of the Laws of Hong Kong) the Tenant shall apply to the Director for a licence and comply with the terms and conditions stipulated in the licence and the WTF Discharge Licence at the Tenant's own cost(s). Otherwise, the Tenant is not allowed to discharge directly or indirectly or to produce, generate, permit, cause, allow or suffer any discharge into any public sewer, stormwater drain, channel, stream-course, sea or any area inside or outside the Premises any trade effluent or foul or contaminated water or cooling or hot water. Subject to the said licence from the Director and WTF Discharge Licence, the Tenant shall at its own cost(s) separate, collect, discharge and send all process or industrial wastewater to the WTF for treatment to the standard required for discharge into a sewer leading to the sewage treatment works at Pillar Point or other treatment works specified in the licence.

- 17. Subject to obtaining advance written approval of the Director, the Tenant shall at its own cost(s) provide, install, operate and maintain its own waste water pre-treatment plants within the Premises if such process or industrial wastewater could not meet the influent limits / exceeds the maximum influent criteria of the WTF (in accordance with paragraph 7.2.9 of the Final E&MA Manual). The Tenant shall at its own cost(s) separate, collect, discharge and send all domestic wastewater (i.e. other than process or industrial wastewater) to the Pillar Point Sewage Treatment Works directly for treatment or other treatment works specified in the licence.
- 18. In any event, the Tenant shall prevent any spilled materials from entering the surface water drainage system and prevent contamination of the sea at its own cost(s) by, inter alia, providing, installing, operating and maintaining stop-logs or interceptors in the surface water drainage system and at the marine frontage area, respectively, or as required by the licence. The Tenant shall at its own cost comply with relevant provisions of the Dumping at Sea Ordinance (Cap 466 of the Laws of Hong Kong) good practices and relevant provisions of the EIA Report and Final EM&A Manual.

#### Hazard to Life Impact

- 19. To mitigate hazard to life impact, the Tenant shall comply with, inter alia, Conditions 4.8 to 4.10 of the Environmental Permit No. EP-226/2005 as amended by the Variation of Environmental Permit Application No.VEP-221/2006 (and comply with the conditions of any updated Permit, amended permit and further permit regarding measures to mitigate hazard to life impact) and shall not:-
  - (a) Bring, keep, store or transport chlorine within the Premises and other areas of EcoPark;
  - (b) Bring, keep, store, locate or transport dangerous goods, substances and fuels supporting combustion including oxygen, acetylene, hydrogen peroxide, rubber tyres and diesel within 10 metres from the boundary of the site of EcoPark; and
  - (c) Exceed the building height restrictions for buildings on the Premises which are on/near the western boundary of the site of EcoPark as mentioned in Annex B to the Environmental Permit No. EP-226/2005 as amended by the Variation of Environmental Permit Application No.VEP-221/2006 (including any updated Permit, amended permit and further permit).

#### Landfill Gas Hazard

20. To mitigate landfill gas hazard, the Tenant shall at its own cost(s) comply with, inter alia, Condition 4.13 of the Environmental Permit No. EP-226/2005 as amended by the Variation of Environmental Permit – Application No.VEP-221/2006 regarding raising clear of the ground all buildings and enclosed structures as specified in inter alia Condition 3.7 (and comply with the conditions of any updated Permit, amended permit and further permit regarding measures to mitigate hazard to life impact).

#### Landscape and Visual Impacts

To mitigate landscape and visual impacts, the Tenant shall at its own cost(s) comply with, inter alia, Condition 4.14 of the Environmental Permit No. EP-226/2005 as amended by the Variation of Environmental Permit — Application No.VEP-221/2006 regarding maintaining landscape, planting, treatment and mitigation measures as specified in inter alia Condition 3.8 and Figure 3 (and comply with the conditions of any updated Permit, amended permit and further permit regarding measures to mitigate landscape and visual impacts).

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#### **Compliance of Environmental Legislation**

5. The Tenant shall comply with and observe all Ordinances, by-laws, regulations and rules for the time being in force in Hong Kong governing the control of any form of pollution, including air, noise, water and waste pollution, and for the protection of the environment.

#### **Air Pollution**

6. Save with an appropriate exemption under the Air Pollution Control Ordinance (Cap. 311) any regulations made thereunder and any amending legislation, the Tenant shall not install or permit or suffer to be installed upon the Premises or any part thereof or any building(s) or structure(s) or part of any building(s) or structure(s) erected or to be erected thereon any furnace, oven, chimney or flue or any other combustion equipment or use or permit or suffer to be used any fuel or any method or process of manufacture or treatment that might in any circumstance result in, cause or contribute to the discharge or emission of any pollutant or any noxious, harmful or corrosive matter, whether it be in the form of gas, smoke, liquid, solid or otherwise (including but not limited to air pollutant as defined in Section 2 of the Air Pollution Control Ordinance

(Cap. 311), which exists or which is imminent, without the prior written approval of the Director.

## **Water Pollution**

- 7. (a) In the event that the Tenant produces, generates, permits, causes, allows or suffers any discharge which is subject to control under the Water Pollution Control Ordinance (Cap. 358) any regulations made thereunder and any amending legislation, the Tenant shall apply to the Director for a licence and comply with the terms and conditions stipulated in the licence at the Tenant's own cost(s). Otherwise, the Tenant is not allowed to discharge directly or indirectly or to produce, generate, permit, cause, allow or suffer any discharge into any public sewer, storm-water drain, channel, stream-course, sea or any area inside or outside the Premises any trade effluent or foul or contaminated water or cooling or hot water. Subject to the said licence from the Director, the Tenant shall at its own cost(s) separate, collect, and discharge all process or industrial wastewater which comply with the standard required for discharge into a sewer leading to the sewage treatment works at Pillar Point or other treatment works specified in the licence.
  - (b) Subject to obtaining advance written approval of the Director, the Tenant shall at its own cost(s) provide, install, operate and maintain its own waste water pretreatment plants within the Premises if such process or industrial wastewater could not meet the standard required for discharge into a sewer leading to the sewage treatment works at Pillar Point or other treatment works specified in the licence. The Tenant shall at its own cost(s) separate, collect, discharge and send all domestic wastewater (i.e. other than process or industrial wastewater) to the Pillar Point Sewage Treatment Works directly for treatment or other treatment works specified in the licence.
  - (c) In any event, the Tenant shall prevent any spilled materials from entering the surface water drainage system and prevent contamination of the sea at its own cost(s) by, inter alia, providing, installing, operating and maintaining stop-logs or interceptors in the surface water drainage system and at the marine frontage area, respectively, or as required by the licence. The Tenant shall at its own cost comply with relevant provisions of the Dumping at Sea Ordinance (Cap. 466) good practices and relevant provisions of the EIA Report and Final EM&A Manual.

### **Waste Management**

- 8. (a) The Tenant shall at its own cost(s) comply with relevant provisions of the Waste Disposal Ordinance (Cap. 354).
  - (b) The Tenant shall not permit, allow or suffer any fuel or chemical and any sewage, waste water or effluent containing sand, cement, silt or any suspended or dissolved material to flow, escape or run from the Premises onto any adjoining land or allow any waste matter which does not form part of the recovery and/or recycling and/or reprocessing operation or is not part of the final product of such operation to be deposited, kept, held or stored anywhere within the Premises and other areas of EcoPark. The Tenant shall at its own cost(s) have all such matters and all materials arising from recycling activities, chemical materials arising from maintenance of plant and equipment, sewage sludge (from wastewater treatment facilities, if any) and general daily waste from the operation removed from the Premises or any building(s) or structure(s) or any part of any building(s) or structure(s) erected or to be erected thereon in a proper manner to the satisfaction of the Landlord and/or the Director.

#### **Noise Pollution**

- 9. (a) The Tenant shall take all necessary measures as may be required by and to the satisfaction of the Landlord and/or the Director to ensure that the operation of all plant and equipment, installed or used on the Premises or in any building(s) or structure(s) or any part of any building(s) or structure(s) erected or to be erected thereon, will not result, not cause and/or will not contribute any noise (which exists or which is imminent) which disturbs or annoys the residents or occupiers of any adjoining or neighbouring lot or lots or premises, or causes and/or contributes to disturbance to the general public under the Noise Control Ordinance (Cap. 400) any regulations made thereunder and any amending legislation.
  - (b) The decision of the Landlord or the Director as to whether any such plant and equipment are causing disturbance or annoyance as aforesaid shall be final and binding on the Tenant.

#### **Landfill Gas Hazard**

To mitigate landfill gas hazard, the Tenant shall at its own cost(s) comply with, inter alia, Condition 4.13 of the Environmental Permit No. EP-226/2005/A regarding raising clear of the ground all buildings and enclosed structures as specified in inter alia

Condition 3.7 (and comply with the conditions of any updated Permit, amended permit and further permit regarding measures to mitigate hazard to life impact).

#### EcoPark Being Within the 250m Consultation Zone of Siu Lang Shui Landfill

- 11. (a) The Tenant acknowledges that the EcoPark is within the 250m Consultation Zone of the Siu Lang Shui Landfill and that the Premises may be affected by problems associated with migrating landfill gas and undertakes to provide suitable precautionary or protection measures at his own expense to control these potential hazards.
  - (b) The Tenant shall ensure all personnel entering the Premises and all visitors to the Premises are aware of the potential hazards of the landfill gas by posting suitable warning notices of the potential hazards at his own expense.
  - (c) All buildings and enclosed structures, including temporary offices, temporary stores and the administration building, within the 250m Consultation Zone of the Siu Lang Shui Landfill shall be provided with the following measure(s):
    - (i) buildings shall be raised clear of the ground with a clear separation distance (as measured from the highest point on the ground surface to the underside of the lowest floor joist) of at least 500mm; or
    - (ii) a low-gas permeability membrane shall be applied to the surface of any wall or floor slab that rests on or is below ground. A gravel-fill vent system shall be provided such that passive venting is achieved around the perimeter of the structure. In addition, other building materials, such as dense well-compacted concrete or steel shuttering which provide a measure of resistance to gas permeation, shall be used to achieve gas protection.
  - (d) The Tenant shall ensure that the electrical equipment used on the Premises shall be intrinsically safe. Welding, flame-cutting or other hot works shall be confined to the open areas of the Premises and shall be at least 15m away from any ground-level confined space.
  - (e) No drilling, trenching and excavation shall be allowed on the Premises. During any construction work, the Tenant shall observe the guidelines recommended in Chapter 8 of the "Landfill Gas Hazard Assessment Guidance Note" published by the Department of Environmental Protection. In particular, no smoking, naked

flames and all other sources of ignition shall be allowed within 15m of any ground-level confined space.

#### Hazard to Life Impact

- 12. To mitigate hazard to life impact, the Tenant shall comply with, inter alia, Conditions 4.8 to 4.10 of the Environmental Permit No. EP-226/2005/A (and comply with the conditions of any updated Permit, amended permit and further permit regarding measures to mitigate hazard to life impact) and shall not:-
  - (a) bring, keep, store or transport chlorine within the Premises and other areas of EcoPark;
  - (b) bring, keep, store, locate or transport dangerous goods, substances and fuels supporting combustion including oxygen, acetylene, hydrogen peroxide, rubber tyres and diesel within 10 metres from the boundary of the site of EcoPark; and
  - (c) exceed the building height restrictions for buildings on the Premises which are on/near the western boundary of the site of EcoPark as mentioned in Annex B to the Environmental Permit No. EP-226/2005/A (including any updated Permit, amended permit and further permit).

#### Landscape and Visual Impacts

13. To mitigate landscape and visual impacts, the Tenant shall at its own cost(s) comply with, inter alia, Condition 4.14 of the Environmental Permit No. EP-226/2005/A regarding maintaining landscape, planting, treatment and mitigation measures as specified in inter alia Condition 3.8 and Figure 3 (and comply with the conditions of any updated Permit, amended permit and further permit regarding measures to mitigate landscape and visual impacts).

#### **Environmental Permits Relating to EcoPark**

14. The Tenant hereby declares, confirms and acknowledges that it is fully aware that, pursuant to the Environmental Impact Assessment Ordinance (Cap.499), the Director has the right to grant, amend or revoke environmental permit(s) or to grant further or amended environmental permit(s) relating to the lots comprising the EcoPark and any other lots but that such right may be challenged by third parties on justifiable grounds. The Tenant hereby undertakes to waive all its rights and remedies for any loss, damages, cost and expenses whatsoever which it may sustain and/or incur directly or

indirectly as a result of the grant, amendment or revocation of the environmental permit(s) or the consequential grant of further or amended environmental permit(s), including but not limited to any right to terminate this Lease and/or to make any claim against the Landlord and/or the Director for any compensation whatsoever.

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Qevqdgt "423: "	6: 9"	743"	96"
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F gego dgt '423: "	pk"	pk"	pk"

## Vcdrg'C5B/4"Tge{enkpi 'qh'Y cung'Hgttqwu'O gwcn'

Fcvg"	Y cwg'Kprwy'' *vqppgu+"	Rt qf wev'Qwvr wv'' *vqppgu+"	Y cwg'F kr qucd' *vqppgu+"
Qevqdgt "423: "	38.: 64"	35.934"	86"
P qxgo dgt "423: "	38.247"	39.5; 2"	9; "
F gego dgt '423: "	pk"	plc"	pk"

## Vcdrg'C50B/5"Tge{enhpi 'qh'Y cung'Y qqf"

Fcvg"	Y сику'Крг wv'' *чqррдин"	Rt qf wev'Qwvr wv'' *vqppgu+"	Y cwg'F kr qued' *vqppgu+"
Qevqdgt"423: "	358"	37: "	/"
P qxgo dgt"423: "	336"	/"	/"
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## Vcdrg'C508/6"Tge{enlpi 'qhY cwg'Grgest qp leu'

Fcyg"	Y сиу' Крг w'' *чаррди+"	Rt qf wev'Qwvr wv'' *vqppgu+"	Y cung'F kur queni' *vqppgu+"
Qevqdgt"423: "	3; 7"	43: "	93"
P qxgo dgt "423: "	3"	3"	/"
F gego dgt"423: "	plc"	p1c"	plc"

## Vcdrg'C508/7"Tge{enlpi 'qhY cusg'Rrcusle"

Fcyg"	Y сиуд'Крг wv'' *vqppgu+"	Rt qf wev'Qwvr wv'' *vqppgu+"	Y cuvg'F kur qucn'' *vqppgu+"
Qevqdgt"423: "	484"	425"	/"
P qxgo dgt "423: "	3; 4"	453"	/"
F gego dgt "423: "	pk"	plc"	pk"

Kung'3"""CGE"

## Vcdrg'C5B/8"Tge{enhpi 'qh'Y cusg'I rcuu'cpf 'Eqpust weskqp 'Y cusg''

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F gego dgt '423: "	pk"	pk"	pk"	pk"

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- 6+Á Ukpeg" yi g"tge{enkpi "qh" y cuvg" i ncuu"cpf "eqpuvt wevkqp" y cuvg"ku"eqo dkpgf "vq"rtqf weg"eqpetgvg"dnqeni'cv' MDY cj. 'yi g'rtqf wev'qwwr wy'cpf 'y cuvg'f kur qucn'htqo 'dqyj 'rtqeguugu'ctg"eqo dkpgf 0'
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Cwi wuv'423: "	: 74"	747"	86"
Ugr vgo dgt '423: "	736"	599"	73"

## Vcdrg'C504/4"Tge{enhpi 'hh'Y cwg'Hgttqwu'O gwrd'

Fcvg"	Y cwg'Kpr w'' *vqppgu+"	Rt qf wev'Qwvr wv'' *vqppgu+"	Y cwg'F kr qucd' *vqppgu+"
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## Vcdrg'C504/6''Tge{enlpi 'qhY cwg'Grgest qp keu''

Fcvg"	Y cuvg'Kpr wv''	Rt qf wev'Qwwr wv''	Y cwg'F kr qucn'
	*vqppgu+"	*wqppgu+"	*vqppgu+"
Ugr vgo dgt "423: "	463"	322"	92"

## Vcdrg'C504/7"Tge{enpi 'qh'Y cusg'Rrcuste"

Fcyg"	Y cwg' <b>K</b> pr w'' *vqppgu+"	Rt qf wev'Qwvr wv'' *vqppgu+"	Y cwg'F kr qucd' *vqppgu+"
O c{"423: "	364"	3: "	/"
Lwpg'423: "	84"	8"	/"
Lwn{ "423: "	329"	43"	/"
Cwi ww'423: "	: 3"	34"	/"
Ugr vgo dgt "423: "	336"	35"	/"

## Vcdrg'C504/8"Tge{enkpi 'qh'Y cusg'I ncuu'cpf 'Eqpust weskqp 'Y cusg''

	Y cwg'Kprw'*vqppgu+''		Rt qf wev''	Y cuvg''
Fcyg"	Eqpust weslap'' Y cusg'''	I neud'''	Qwr w' <sup>*6</sup> +'' *vqppgu+''	Fkur que n <sup>*6+</sup> ' *vqppgu+''
Cwi wuv'423: "	739"	336"	6.: 85"	33"
Ugr vgo dgt "423: "	; 35"	53"	5.: 92"	:"

Kung'3" """"CGE"

GeqRctmlQrgtcvkqp"

S wet vgt nf 'Gpxkt apo gpvenlO apkagt kpi '( 'Cwf kr'T gr at v'\*Qevadgt 'b'F gego dgt '423: +''

## Vcdrg'C504/9''Tge{enpi 'qhY cwg'Twddgt'V{tgu''

Fcvg"	Y сиуд'Крг wv'' *vqppgu+"	Rt qf wev'Qwvr wv'' *vqppgu+"	Y cwg'F kr qucd' *vqppgu+"
Lwn( '423: "	48"	6: "	/"
Cwi wuv'423: "	44"	52"	/"

## Pqvgu<'''

- 3+Á Vjg''y tqwijrw'fcvc'kp''Vcdrgu'C504/3''vq'C504/8''uwrgtugfg''y g''uco g''dcvej ''qh''y g''y tqwijrw'fcvc'kp'' rtgxkqwu'S wctvgtn( ''Gpxktqpo gpvcn'O qpkvqtkpi ''( ''Cwfk'Tgrqtw0Vjg''rtgugpvgf''fcvc'jcu''dggp''tqwpfgf''qhh'' vq''y g''pgctguv'y jqrg''vqppg'hqt'rtgugpvcvkqp0'
- 4+Á Vj g'\qvcn'r tqf wev'qwr wv'o c{ "pqv'dg" vj g'uco g"cu' vj g'y cuvg" lpr wv'f wg'\q''r tqeguulpi "qh'o cvgtlcnu' vj cv'y gtg" tgeglxgf "dghqtg" vj g'tgr qt vlpi "s wct vgt "cpf "y gtg" unqtgf "y kj lp" vj g'm vu'.
- 5+Á Y curg'f kur quan't ghgt u'\q'\j g'f kur quan'qh'i gpgt an't ghwug' KgO'r centri kpi +'cpf lqt'ej go kean'y curgO'
- 6+Á Ukpeg" vj g"tge{enkpi "qh" y cuvg" i ncuu" cpf "eqpuvt wevkqp" y cuvg" ku "eqo dkpgf "vq" r tqf weg"eqpetgvg" dnqem' cv' MDY cj .''vj g"r tqf wev'qwr wv'cpf 'y cuvg" f kur qucn'h tqo 'dqvj 'r tqeguugu' ctg'eqo dkpgf 0'
- 7+Á ő/ö'kp''yi g''eqnwo p''qh'y cuvg'f kur qucn'f gpqvgu'| gtq''s wcpvkv{ ='y j krg''ŏp k:ö'f gpqvgu''wpcxckrcdrg'kphqto cvkqp0'

Kung'3" """"CGE"

GeqRctmlQrgtcvkqp''	"	
<u>S wet vgt n( 'Gpxkt qpo gpve nO qpksqt kpi '(</u>	'Cwf kv'Tgr qt v'*Oevqdgt 'b'Fgego dgt '423: +''	111111

Rt qlgev'P q0x3838''

Crrgpf kz'6'

Ecrledtcvlqp'Egtvlhlecvg'qh'Tphtctgf'I cu'Cpcn(ugt"

Kung'3" """CGE"

### **FUGRO TECHNICAL SERVICES LIMITED**

Fugro Development Centre, 5 Lok Yi Street, Tai Lam, Tuen Mun, N.T., Hong Kong. Tel : +852 2450 8233 Fax : +852 2450 6138 E-mail : matlab@fugro.com Website : www.fugro.com



## REPORT ON CALIBRATION OF INFRA RED GAS ANALYSER

Client	:	Fugro	Technical	Services	Limited
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Sample description : One sample of Infra Red Gas Analyser (GA5000)

Sample identification : E / 084 / 2

Serial number : G501982

Test required : Calibration

Date of calibration : 13/11/2018

Next calibration date : 12/05/2019

Method used : In-house method (Comparison with Standard Gas)

## Results:

Parameters	Standard Gas Concentration,	Infra Red Gas Analyser Reading,	Deviation,
	% volume	% volume	% volume
Methane (CH₄)	1.00	1.0	0.00
Carbon dioxide (CO <sub>2</sub> )	1.00	1.8	0.8
Oxygen (O <sub>2</sub> )	16.0	16.1	0.1

Calibrated by : C. F. Leung Certified by :

Approved/Signatory: Raymond K. F. Wong Manager – Chemistry Department

Date
\*\* End of Report \*\*

Note: This report refers only to the sample(s) tested.

Rt q1ge√P q0<3838''	11		<u> </u>
GeqRctmlQrgtcvlqp''	''		<del></del> ''
S wet wet if 'Gpxkt apo gpwei(O apk	qt kpi '( 'Cwf k'Tgr qt v'*Qevqdgt 'b'Fgego dgt '423: +''	*****	•

Crrgpf kz'7'

Nedqtevqt { ''Vguv'T gr qtv'epf 'I ter j keen'Rmyw'qh''
NHI 'O qpkqtkpi "

Kung'3"" """"CGE"

#### S wet vgt n 'Nepf Harl eu'O qplsqt lpi 'Tguwnu'

			<b>V</b>	V gevi at					Og	gcuwtgo gpv'	Тдимии		(	Cevkqp'Ngx	gn	1	Nko kv'Ngxg	n	
O qpkqt kpi Uvc vkqp'KF	O qplsqt lpi 'Nqec slqpu	Fcvg	Y gcvj gt Eqpf kskqpu	Vgo rgtcvwtg * <sup>4</sup> E+	Uvetv Vkog	Gpf Vko g	O gy	ј срд	Qz{i gp	Ectdqp Fkqzkf g	Det qogyt ke Rtgunyt g	O gyj cpg	Qz{i gp	Ectdqp Fkqzkfg	O gyj cpg	Qz{i gp	Ectdqp Fkqzkf g	Tgo ctmi	
							' 'x1x	' 'NGN	' 'x1x	' 'x1x	o Dct *cduqnwg+	' 'NGN	' 'x1x	' 'x1x	' 'NGN	' 'x1x	' 'x1x		
(183/3	Kpuld g''yj g'hopf ueer kpi ''etge''qh Cfo kpkuvtevkqp'Dwlaf kpi			36	; 56	; 58	202	2	4304	206	324;							P kn	
	REEY "dgrqy /i tqwpf "ej co dgt qwulf g"Nqv"V4			36	; ∢6:	;⊲2	202	2	4303	208	324;							P kn	
GR3/5	JIE'Dtqcfdcpf'dgrqy/itqwpfejcodgt'qwwlkfg'Nqv'V5	35'F ge''423:	Нфд	36	;	; ₹6	202	2	430B	208	324;	@2	>3;	@07	@42	>3:	@07	P kn	
GR4/3	JIE'Dtqcfdcpf'dgnqy/itqwpfejcodgt'qwwlkfg'Nqv'R3			36	; 5;	; 463	202	2	420	205	324;							P kn	
GR4/4	JIE"Dtqcfdcpf"dgrqy/itqwpfejcodgt"qwwllfg"Nqv"R5			36	; ∢65	; •67	202	2	4302	208	324;							P kn	

P qvgu<

<sup>\*3+&</sup>quot;Wpf gtrlpgf "Hi wtg"lpf lecvgu"cp"gzeggf cpeg"qh"Cevlqp"Ngxgn

<u>GR3/3</u>

Farm	O gvj cps	<b>N</b> +	Qz{i g	p'*/ 'x1x	+	Ectdqp'Fl	qzlf g'*	' <b>x</b> 1x+	Dct qo gvt le Rtguuwt g'% Dct+	
Fcvg	O gcuwt go gpv	Cevlqp Ngxgn	Nko kv Ngxgn	Ogcuwtgo gpv	Cevlqp Ngxgn	Nko kv Ngxgn	Ogcuwtgo gpv	Cevlqp Ngxgn	Nko kv Ngxgn	O gcunt go gpv
43'O ct'423:	2	32	42	4205	3;	3:	206	207	307	3243
42"Lwp"423:	2	32	42	3; 0	3;	3:	203	207	307	322:
3: ''Ugr ''423:	2	32	42	4203	3;	3:	>'203	207	307	3239
35"F ge"423:	2	32	42	4304	3;	3:	206	207	307	324;

GR3/4

Farm	O gvj cps	g'** 'NG	N+	Qz{i g	p'*/ 'x1x	+	Ectdqp'Fl	qzlf g'*	' <b>x</b> 1x+	Dct qo gvt le Rtgumtg'% Dct+
Fcvg	O gcuwt go gpv	Cevlqp Ngxgn	Nko kv Ngxgn	Ogcuwtgo gpv	Cevlqp Ngxgn	Nko kv Ngxgn	O gcuwt go gpv	Cevlqp Ngxgn	Nko kv Ngxgn	O gcuwt go gpv
43'O ct'423:	2	32	42	4204	3;	3:	203	207	307	3243
42"Lwp"423:	2	32	42	3; 0	3;	3:	>'203	207	307	322:
3: "Ugr "423:	2	32	42	4202	3;	3:	>'203	207	307	3239
35'F ge''423:	2	32	42	4303	3;	3:	203	207	307	324;

GR3/5

Fcvg	O gvj cp	O gvj cpg'* 'NGN+			p'* 'x1x	+	Ectdqp'Fk	qzlf g'*	' <b>x</b> 1x+	Dctqo gvtke Rtguuwtg'*o Dct+
_	O gcuwt go gpv	Cevlqp Ngxgn	Nko kv Ngxen	Ogcuwtgo gpv	Cevlqp Ngxgn	Nko kv Ngxgn	O gcuwt go gpv	Cevlqp Ngxgn	Nko kv Ngxgn	O gcunt go gpv
43'O ct'423:	2	32	42	4204	3;	3:	204	207	307	3243
42'Lwp''423:	4	32	42	3; 0	3;	3:	>'203	207	307	322:
3: "Ugr '423:	2	32	42	4203	3;	3:	>'203	207	307	3239
35'F ge'423:	2	32	42	4303	3;	3:	203	207	307	324;

<u>GR4/3</u>

Form	O gyj cp;	g'* 'NGI	N+	Qz{i g	p'** ''x1x	+	Ectdqp'Fl	qzlf g'*	' <b>x1</b> x+	Dct qo gvt le Rtgumtg'% Dct+
Fcvg	Ogcuwtgo gpv	Cevlqp Ngxgn	Nko kv Ngxgn	Ogcuwtgo gpv	Cevlqp Ngxgn		O gcuwt go gpv	Cevkqp Ngxgn	Nko kv Ngxgn	O gcuwt go gpv
43'O ct'423:	2	32	42	3; 0	3;	3:	206	207	307	3243
42"Lwp"423:	2	32	42	3; 0	3;	3:	>'203	207	307	322:
3: "Ugr "423:	2	32	42	4202	3;	3:	>'203	207	307	3239
35"F ge"423:	2	32	42	420	3;	3:	205	207	307	324;

GR4/4

Form	O gvj cp				p'* 'x1x	+	Ectdqp'Fl	qzlf g'*	' <b>x</b> 1x+	Dctqo gvtle Rtguuwtg'*o Dct+
Fcvg	O gcuwt go gpv	Cevlqp Ngxgn	Nko kv Ngxgn	O gcuwt go gpv	Cevkqp Ngxgn	Nko kv Ngxgn	Ogcuwtgo gpv	Cevlqp Ngxgn	Nko kv Ngxgn	O gcunt go gpv
43'O ct'423:	2	32	42	3; 0	3;	3:	204	207	307	3243
42'Lwp'423:	2	32	42	3; 0	3;	3:	>'203	207	307	322:
3: "Ugr "423:	2	32	42	3: 0	3;	3:	204	207	307	3239
3: "Ugr "423: ,	2	32	42	3; 07	3;	3:	>'203	207	307	3239
35'F ge'423:	2	32	42	4302	3;	3:	203	207	307	324;

 $<sup>, &</sup>quot;Tg/o \ gcuwtgo \ gpv'y \ cu"ecttkgf" qww'chgt" \ ''j \ g'kpkkch'o \ gcuwtgo \ gpv'y \ ''eqphto \ ''j \ g'kgekkheckqp" qh''gzeggf \ cpeg" \ chgt "xgpkhckqp" gpj \ cpego \ gpv0$ 

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Report No.

183114EN183282



Page 1 of 1

### **Test Report on Landfill Monitoring**

#### Information Supplied by Client

Client : Allied Environmental Consultants Ltd.

Client's address : 19/F, Kwan Chart Tower, 6 Tonnochy Road,

Wan Chai, Hong Kong

Project : Landfill Gas Monitoring at Eco Park, Tuen Mun

Sample description : Five samples of gas

Sampling location : EP1-1 Inside the Landscaping area of Administration Building

EP1-2 PCCW below-ground chamber outside Lot EP08-01

EP1-3 HGC Broadband below-ground chamber outside Lot EP08-03 EP2-1 HGC Broadband below-ground chamber outside Lot P1 EP2-2 HGC Broadband below-ground chamber outside Lot P3

Test required : For all locations -

In-situ measurement of methane, carbon dioxide, oxygen and

barometric pressure

**Laboratory Information** 

Date of in-situ testing : 13/12/2018

Test method used : Measured by Infra Red Gas Analyser GA5000

#### Results:

Sampling	Sampling	Barometric	Methane		Carbon dioxide,	Oxygen,
location	time	pressure, mbar	%v/v	%LEL	%v/v	%v/v
EP1-1	09:34	1029	0.0	0	0.4	21.2
EP1-2	09:48	1029	0.0	0	0.1	21.1
EP1-3	09:52	1029	0.0	0	0.1	21.1
EP2-1	09:39	1029	0.0	0	0.3	20.9
EP2-2	09:43	1029	0.0	0	0.1	21.0

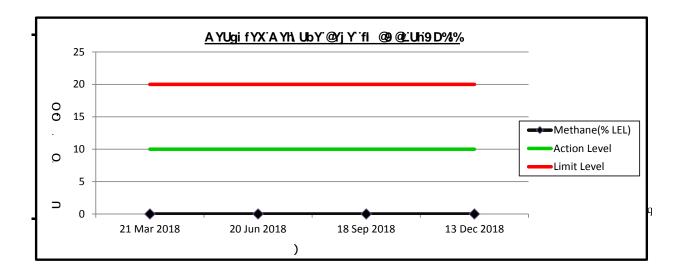
Remarks: 1. A calibration certificate of the monitoring equipment is attached for reference.

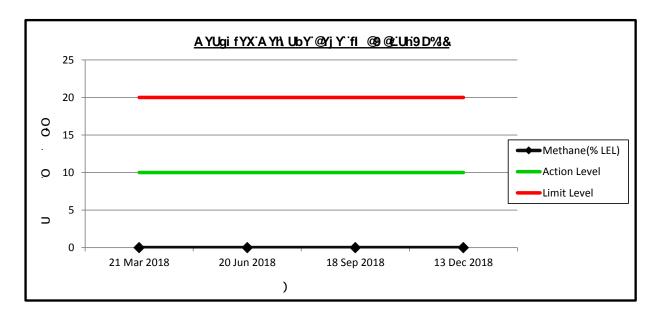
2. A layout plan showing the sampling location is also attached for reference.

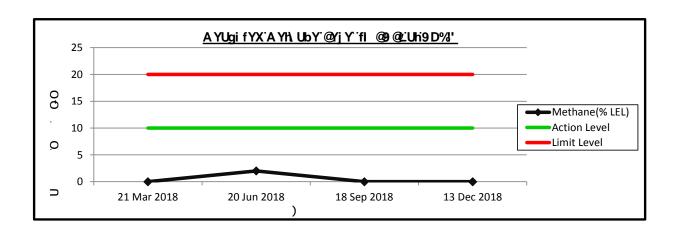
Supervised by :	K.F. Wong	Certified by : Approved Signatory : HO Kin Man, J	
		Assistant General Manager – Laborato	ories
		Date : 3/1/2019	

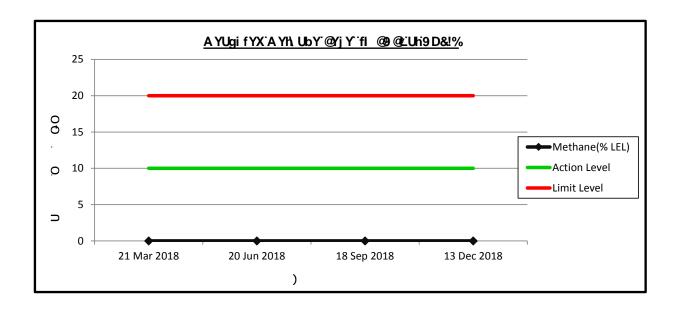
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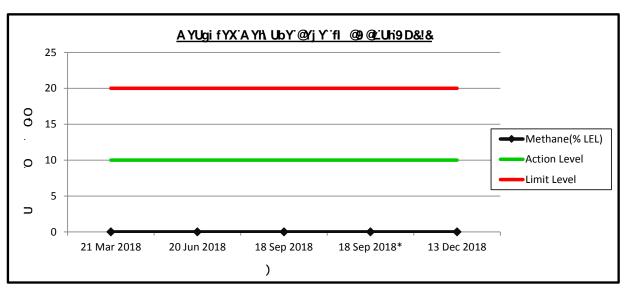
Note: This report refers only to the sample(s) tested.



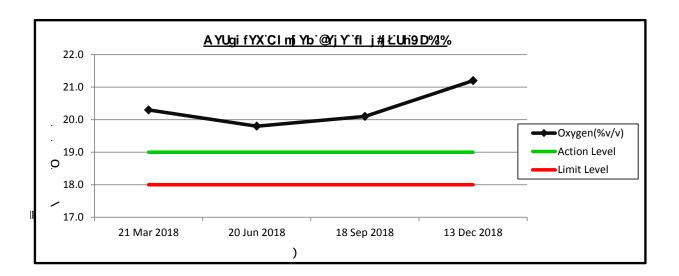


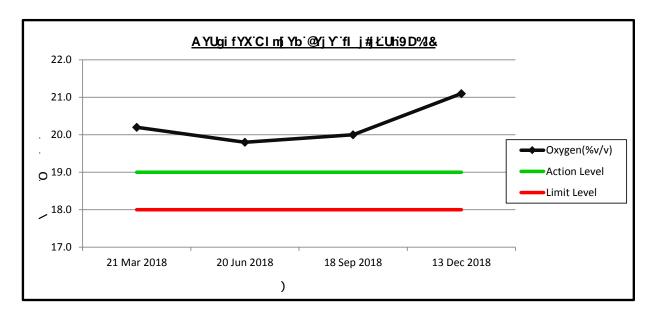


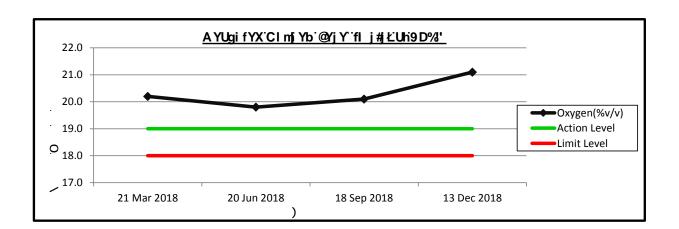


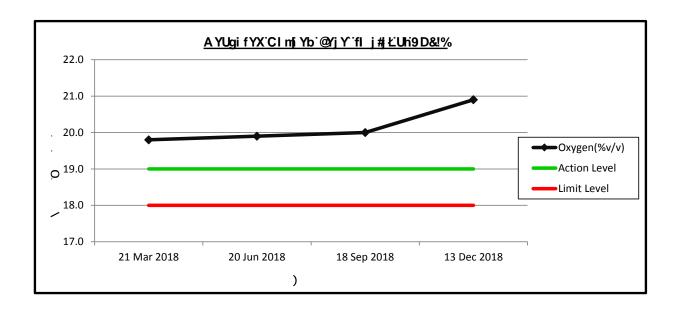


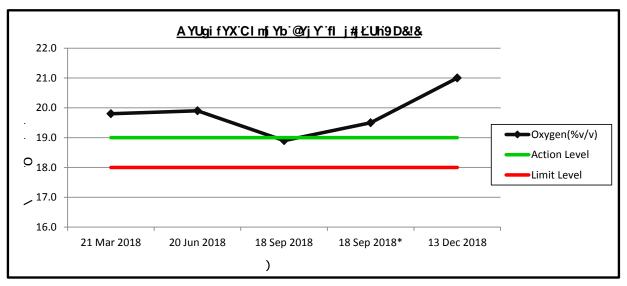
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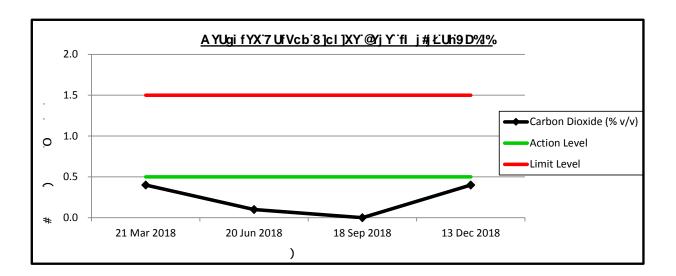


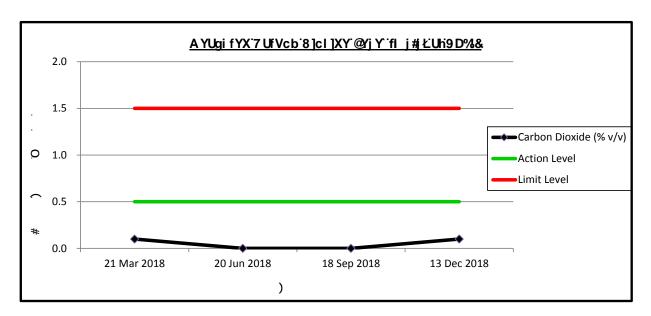


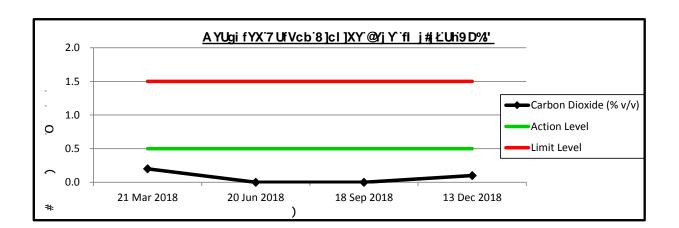


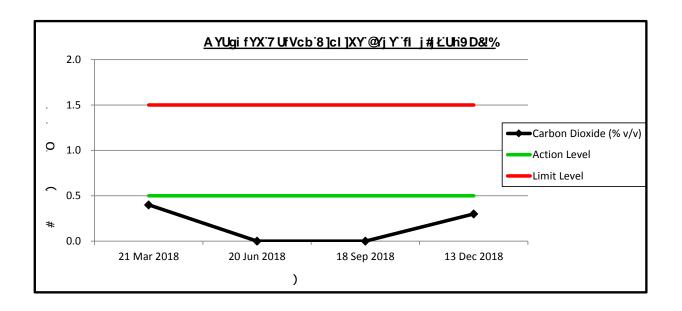


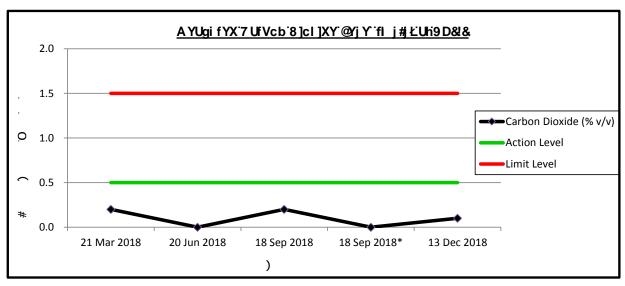
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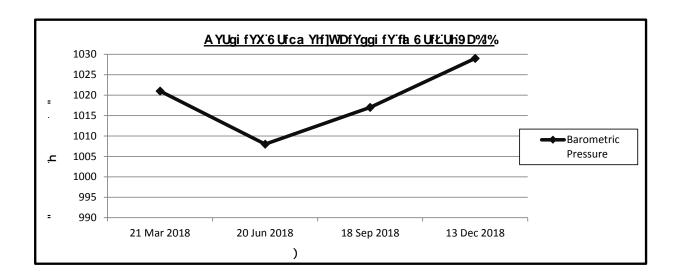


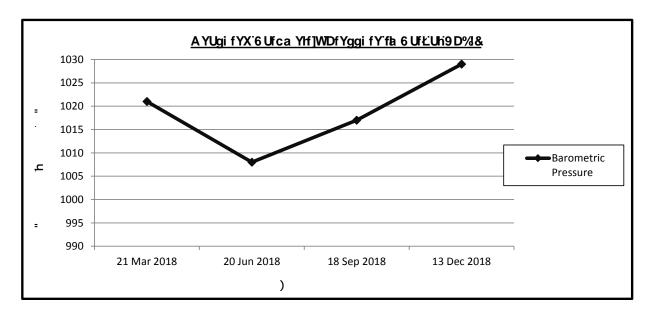


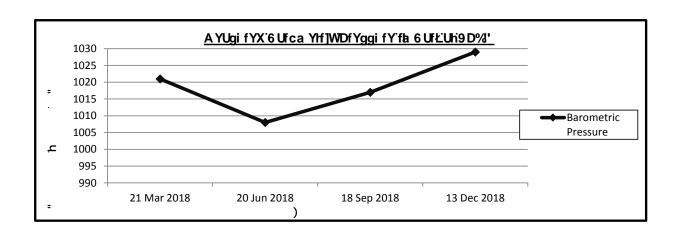


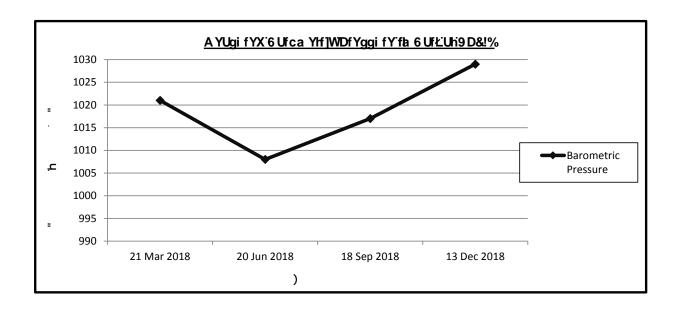


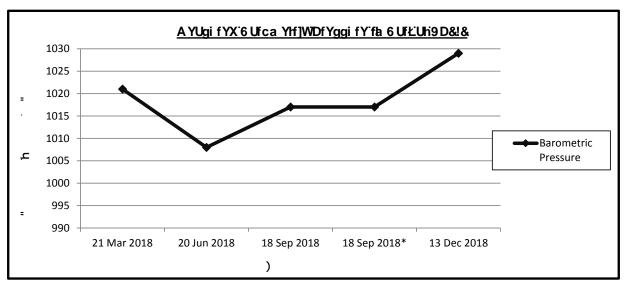
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Rt qlgev'P q0<3838''	"		
GeqRct mlQr gt c vlqp''	"		•
S wet vgt n 'Gpxkt qpo gpvenO qpkqt kpi	'( 'Cwf k'Tgrqtv'*Oevqdgt'b'Fgego dgt'423: +''	******	

Crrgpf kz'8'

Vgpcpvur gekhke 'Cwf kv'Ej gemkuw'hqt 'vj g'Tgr qt vkpi 'S wct vgt ''

Kung'3"" """"CGE"

Rt qlgev'P q0<3838''
GeqRct miQr gt cvlqp''

S wct vgt nf 'Gpxkt qpo gpwcnO qpkqt kpi '( 'Cwf kb'Tgr qt v'\*Qevqdgt 'b'F gego dgt '423: +'

## Crrgpf kz'808'

Vgpcp√ur gekhke 'C wf kv'Ej gemkuwu'hqt 'vj g'Tgr qt vkpi 'S wct vgt '' Ej coryc{ "Vgej pqmi{ 'Eq'Nvf'

"""CGE" Kuwg'3''

## GeqRctm'Qr gtcvkqp <u>UKVG'HP URGE VKQP 'EJ GEMNKUV</u>



	Kpur gevkqp"F cvg         423: I32 I46         Vko g         32-42           Nq√P wo dgt         V7         Vgpcpv         Ej co r y c {	Kpur gevgf 'd{< T F	qpcp'EJ CP cxkf "VUCP I
Y gc	Eqpf kkqp< Uwpp{ Hkpg  V Qxgtecuv  Ftk  rg Vgo r gtcwtg< 48  F  J wo kfkv(< J ki j Y kpf < V Ecro  Nki j v Dtgg  g Utqpi	Tckp  ✓ O qf gtcvg	UqtoJc { Nqy
30I	<u>apgt c n</u>	P 1C [ gu ]	Pq Tgo ctmu
3Œ	Gpxktqpo gpvcrlRgto k/∜GR+'hqt"Vgpcpv'f kur nc{gf 'cv'gpvtcpegulgzkuA	<b>V</b>	GR'hqt'\gpcpv'ku'pqv'tgs wktgf
304	Gpxktqpo gpvcriRqrke{"f qewo gpvgf A	<b>/</b>	WRO N)u''Gpxktqpo gpvcn' Rqrke{''ku''hqnqy gf
305	Gpxktqpo gpvcn'O cpci go gpv'Rrcp'∜GO R+'ngr v'wr /vq/f cvgA	<b>/</b>	WRO Nju'GO R'ku'hqmqy gf
306	Go gti gpe{ "Tgur qpug"Rrcp"∜GTR+"f qewo gpvgf A	<b>✓</b>	WRO Nju'GTR'ku'hqmqy gf
	*c+'F tkm'qt'\tckplpi 'tgeqtf u'cxckrcdrgA	<b>✓</b>	Uwdlgev'\q'\gpcpv\u'r tqxkukqp
307	Cmltge{enkpi "rtqeguugu"kp"qrgtcvkqp"jcxg"dggp"crrtqxgf"d{"YHDWA		<b></b>
308	Cp{'tgeqtf'qh'eqormkpv'qt'rtqugewkqpA		<u> </u>
40Y	evgt'S werks{	PIC [gu	Pq Tgo ctmu Rtqi kllslqp"qhTluej cti kpi "y cungy cvgt" q"cqo o wpcriligy g"d"("ij g"
403	Xcrlf 'Clfrwgpv'F kuej cti g'Nlegpeg'cxckrcdrgA		gphqtego gpv/wpk/'qh'GRF  Ugnh'o qpkqtkpi = "pq'uco r nkpi 'y cu"
	c+'Ucorn's itgeqtf'cxclaudigA		tgs wguvgf "d{"\j g"cwyj qtkv{ Ugrh'o qpkvqtkpi "y j gp"
	d+'O qpkqtkpi 'Itgs wgpe{ 'o gv'ij g'ikegpeg'tgs wktgo gpvA		tgs wktgf
	e+"O qpksqtkpi "tguwn"eqo r n( "y ksj "\sj g"rkegpeg"tgs wktgo gpvA		
	f +"Ki'gzeggf cpeg"ku'tgeqtf gf ."cp{ 'hqmqy /wr ''cevkqp"\cngpA		
404	Rtqxkıkqp"qh'y cuvgy cvgt"\tgcvo gpv'hcekkv{"*Y VH+"r tkqt"\q"f kvej cti gA		Y cuvgy cvgt 'ku'\cpngf ''cy c{
	c+'Cf gs wcyg'ecr cels{ A		Hqt"\go r qtct{"\uvqtci g"\cpm
40=	d+'Rtqr gtn( "o ckpvckpgf "cpf "hwpevkqp"pqto cm( A		Qwrgv'ku''drqengf
	Uwthceg'twp/qhh'eqpvtqn'o gcuwtgu'lp'r rceg'cpf 'cf gs wcvgn( 'o ckpvckpgf A		
406	Uwthceg'twp/qhh'f kuej cti kpi 'kpvq'f tckpci g'u{uvgo A		
407	Cm'o cpj qrgu'eqxgtgf A		
400	Hqco ."qkn"i tgcug. "f gdtkı."twddkıj "cpf "qvj gt"qdlgevkqpcdıg"o cwgtu'r tgxgpvgf "htqo "gpvgtkpi "pgctd{"f tckpu"qt"ugy gtA		Y gy "Qdugtxcvkqp"*3+
409	Uqtci g"qh'o cygtkcnı"cpf "gs wkr o gpv'nqecygf "cy c { "htqo "y cygt"dqf kguA		<u> </u>
40	Ftckpci g'u{uvgo 'y gm'o ckpvckpgf ''q'r tgxgpv'hqqf kpi ''qt''qxgthqy A		<u> </u>
40,	Rtqeguugu'qt"cevkxkkkgu'y kaj 'j ki j 'tkum'qh'eqpvco kpcvkqp"nqecvgf "vapf gt"eqxgtgf "ctgcA		Uqr/nqi u"ctg"cxckrcdrg"hqt"wug
4032	Koucmcvkqp"qh'uvqr/mqi u'hp'r gtho gvgt"f tchpci g'u{uvgo 'hqt'wpeqxgtgf ''ctgcu'y j gtg'tgeqxgt{rtqeguu'y kıj 'r qvgpvkcm{'j ki j ''gxgn'qh'eqpvco kpcvkqp'ku'ecttkgf ''qwxA	<u> </u>	d{"\spcpv\\\d\pggf\gf  Tgr\\rcego\gp\'ce\\k\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
403	Gs wkr o gpv'qkri'cpf "hwdt kecvkqp"tgr ncego gpwi'r gthqto gf "qpn("kp"dwpf gf "o ckpvgpcpeg"ctgcA	<b>V</b>	qdugtxgf
4034	Eqpvco kpcygf "y cygt "eqmgeygf "kp" y g"uwthceg"f tckpci g"u{uvgo "ku'\tgcygf "cv'y cygt "\tgcvo gpv	<b> </b>	

## GeqRctm'Qr gtcvkqp <u>UKVG'HP URGE VKQP 'EJ GEMNKUV</u>



	hcektk/['qt''qvj gt''crrtqrtkcvg''vtgcvo gpv'hcektk/[A		Wastewater is tanked away
4035	Ftckpci g'htqo "o ckpvgpcpeg"ctgc"f kuej cti gf "xkc"qktikpvgtegr vqtA		Outlet of oil interceptor is blocked and water is tankered away.
	c+"Qkricpf "i tgcug'tgo qxgf 'tgi wrctn( A		
	d+"Eqngevgf "d{ "nlegpugf "eqngevqt A		
4036	Hqmqy "Ecti q"J cpf rkpi "I wkf grkpg" 'q"o kpko kug" 'y g"ej cpeg" qh' 'ceekf gpvcn' ur kmci g"f wtkpi mqcf kpi "cpf 'wpmqcf kpi "cf lcegpv' 'q"o ctkpg' 'trqpvci gA	<b>/</b>	Not required
4037	Dwmlecti q"cpf "o cvgtkcnı'r cengf "r tqr gtn(A		W
4038	Vgorqtct{"uvqemrkngu"eqxgtgf"fwtkpi"tckpuvqtouA	<b>√</b>	No dusty stockpile is observed
4039	O gcuwtgu'\q'r tgxgpv'\j g'y cuj kpi ''cy c{''qh'\ucpf lukn\'\q'f tckpuA	<b>V</b>	No sand/silt is generated from the recycling process
50Cl	t'S werks{	P1C [gu Pq	Tgo ctmu Valid license had been obtained which
503	Xcnlf "Ur gelingf "Rtqeguut" "UR+" Niegpeg "cxclarding" hqt "cm'ur gelingf "r tqeguuA		valid period is ranging from Feb 2018 to Feb 2023.
	c+'UR'Negpeg'eqpf kkqpu/monitoring requirements comply?		Quarterly reporting on quantity of raw material and product (up to Apr 2018)
3.2	Operate without generation of noticeable odour?		
	a) If odour is detected, can the source be identified?	<b>/</b>	
	b) Odourous materials covered?		
	c) If odour control system is installed, is it operating normally?		
3.3	Dusty materials dampened prior to loading/unloading?	<b>/</b>	No loading/unloading of dusty materials is observed
3.4	Dust monitoring record available?	<b>/</b>	Not required
	a) Monitoring frequency met the licence requirement?	<b>/</b>	
	b) Any exceedance?	<b>/</b>	
	c) If exceedance is recorded, follow-up action taken?	<b>/</b>	
3.5	Dust-suppression measures provided where main dust-generating activities take place (i.e. enclosures or regular dampening)?	<b>/</b>	No dust-generating activity is observed
3.6	Open burning prohibited?		
3.7	Emission from chimney or powered plant free of black smoke?		
3.8	Vehicles and equipment switched off while not in use?		
3.9	Obtained approval for installation/alteration of furnace, oven or chimney consuming over 25L liquid fuel/hour, or 35kg solid fuel/hour, or 1150MJ gaseous fuel/hour?		Not required
3.10	Obtained approval for the use of liquid fuel with a viscosity point of ignition >30 centistokes or an equivalent viscosity?	<b>/</b>	Not required
3.11	Air pollution control system properly maintained and function normally?		Regular replacement of activated carbon filter
3.12	Dust collected by any air pollution control equipment installed by tenants tested to ensure compliance for landfill disposal?		
	a) Obtained approval for the use of controlled refrigerant?	<b>/</b>	
	b) If yes, record of refrigeration equipment service available?	<b>/</b>	
3.13	Only ultra-low sulphur diesel is used for activities requiring liquid fuel?		
3.14	Public road around site entrance kept clean and free from dust?		
3.15	Materials transported on trucks covered?	<b>/</b>	Not observed



3.16 Truck loads to a level within the side and tail boards?	Not observed
3.17 Stockpiles of dusty materials covered or regularly watered?	No stockpile of dusty material is observed
3.18 Major dust source(s): Wind erosion Vel	hicle/equipment movement
Loading/unloading of materials Oth	ners: n/a
4. Waste / Chemical Management	
General	N/A Yes No Remarks
4.1 Registered as chemical waste producer?	
4.2 Sufficient receptacles (e.g. rubbish bins) available?	
4.3 Disposed of regularly and properly?	
4.4 Sorting of materials on-site for reuse or disposal to designated outlet?	
4.5 Records of quantities of waste generated, recycled and disposed properly kept?	✓ Verified via quarterly report
4.6 Collection of sludge by licensed collector at regular intervals?	✓ Not observed
Packaging of Chemical Waste	
4.7 Stored in suitable container?	No chemical waste is observed
4.8 Container properly closed or sealed?	
4.9 Spillage cleaned up immediately through the use of absorbent?	
4.10 Obtained approval for the use of chemical waste container >450L?	
<u>Labelling of Chemical Waste</u>	
4.11 Provision of chemical waste label?	
a) Label is securely attached and visible?	
b) Label is bilingual and in proper dimension?	
c) Information is accurate and sufficient?	
Storage of Chemical Waste	
4.12 Proper "Chemical Waste" sign displayed?	<u> </u>
4.13 Incompatible wastes separated by impermeable partition?	
4.14 Containers kept in cabinet or receptacle of suitable material (if quantity $<50L$ ), or provided with drip trays capable of storing 110% of the volume of the largest container (if quantity $>50L$ )?	
4.15 Enclosed on 3 sides with no less than 2m in height or height of tallest container / stack of containers?	
4.16 Properly stored and locked in designated area with adequate ventilation?	
4.17 Storage area paved with concrete and kept clean and dry?	
4.18 Cover provided for outdoor storage area?	
4.19 Chemical waste collected by licensed collector?	✓ <u> </u>
Liquid Chemical Storage	
4.20 Storage area provided with permeation-proof floor or surface?	Follow-up Observation (1)
4.21 Capacity of retention structure sufficient to accommodate contents of the largest container or 20% volume of the material in storage?	

#### **SITE INSPECTION CHECKLIST**



4.22 Walls or partitions of stacked container storage area constructed of impermeable material?	? Follow-up Observation (1)
<ul> <li>5. Landfill Gas (LFG) (within LFG Consultation Zone)</li> <li>5.1 Alert workers and visitors of possible LFG hazards?</li> <li>5.2 Smoking and open fires prohibited?</li> </ul>	N/A Yes No Remarks Outside LFG consultation zone
6. Others	N/A Yes No Remarks
6.1 Works confined within lot boundaries?	
6.2 Damage to surrounding areas avoided?	
6.3 Site lighting designed to avoid glare to surrounding receivers?	
6.4 Materials and machinery stored in an orderly manner?	
6.5 Areas within lot for recycling activities paved with concrete?	
6.6 Potential stagnant pools cleared and mosquito breeding prevented?	
6.7 Valid calibration certificate for any monitoring equipment?	For source sampling; Not provided
6.8 Valid licence(s) obtained for manufacture or storage of dangerous goods?	
a) Storage area in compliance with the approved plan?	Subject to tenant's information provision
b) Storage area is securely locked?	
c) Total storage capacity in compliance with relevant statutory requirement?	
d) Proper labelling provided?	
e) Dangerous goods properly packaged?	

#### Remarks:

#### Follow-up from Previous Audits

The temporary storage area for containers was not provided with permeation-proof floor. Enclosed storage tanks had been
provided in previous months to gradually replace the old glycerin storage containers. Chemical stain in the storage area observed on
18 September 2018 had been removed. As updated by the tenant, permanent concrete floor will be provided after complete
removal of the glycerine. The progress will be monitored in the next audit.



(Observed on 18 September 2018)



(Observed on 24 October 2018)

#### SITE INSPECTION CHECKLIST





(Observed on 18 September 2018)



(Observed on 24 October 2018)

#### New Observations

1) Chemical leakage was observed at 2 places nearby the access road. The tenant was requested to clear the leaked chemical stain and implement sufficient measures during material transfer to avoid, or to contain accidental spillage. The containers pending removal should be also well maintained to avoid potential leakage.



(Observed on 24 October 2018)



(Observed on 24 October 2018)

#### **Signatures:**

ET Representative:

Name: Ronan CHAN

Date: 2018/10/24

Operator Representative:

Name

May Wu

Date: - 8 NOV 2018

Tenant Representative:

Name Kenji Wong

Date: 12 Nov 2018

IEC Representative:

Name: Hazel CHEUNG

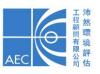
Date: 2018/10/25



	Inspection Date:         2018/11/20         Time:         10:30           Lot Number:         T5         Tenant:         Champway	Inspected by:	Ronan	CHAN
<u>Wea</u>	ther  Condition: Sunny ✓ Fine Overcast Drizzle  Temperature: 25 ℃ Humidity: High  Wind: ✓ Calm Light Breeze Strong	Rain  ✓ Moderate	=	Storm Hazy Low
1. G	enera <u>l</u>	N/A Yes	No	Remarks
1.2 1.3	Environmental Permit (EP) for Tenant displayed at entrances/exits?  Environmental Policy documented?  Environmental Management Plan (EMP) kept up-to-date?  Emergency Response Plan (ERP) documented?  All recycling processes in operation have been approved by WRG of EPD?			EP for tenant is not required UPML's Environmental Policy is followed  UPML's EMP is followed  UPML's ERP is followed
1.6	Any record of complaint or prosecution?		✓	
	Valid Effluent Discharge Licence available?	N/A Yes	No	Remarks Suspension of discharging wastewater to communal sewer by the enforcement unit of EPD
	a) Sampling record available?		一	Self-monitoring; no sampling was requested by the authority
	b) Monitoring frequency met the licence requirement?			Self-monitoring when required
	c) Monitoring result comply with the licence requirement?			
	d) If exceedance is recorded, any follow-up action taken?			
2.2	Provision of wastewater treatment facility (WTF) prior to discharge?	✓		Wastewater is tanked away
	a) Adequate capacity?			For temporary storage tank
	b) Properly maintained and function normally?	✓ □		Outlet is blocked
2.3	Surface run-off control measures in place and adequately maintained?			
2.4	Surface run-off discharging into drainage system?			
2.5	All manholes covered?			
2.6	Foam, oil, grease, debris, rubbish and other objectionable matters prevented from entering nearby drains or sewer?		<b>√</b>	Follow-up Observation (2)
2.7	Storage of materials and equipment located away from water bodies?			
2.8	Drainage system well maintained to prevent flooding or overflow?			
2.9	Processes or activities with high risk of contamination located under covered area?			0. 1
2.10	Installation of stop-logs in perimeter drainage system for uncovered areas where recovery process with potentially high level of contamination is carried out?	<b>V</b>		Stop-logs are available for use by tenant if needed
2.11	Equipment oil and lubrication replacements performed only in bunded maintenance area?			Replacement activity is not observed
2.12	Contaminated water collected in the surface drainage system is treated at water treatment facility or other appropriate treatment facility?	<b>√</b>		Wastewater is tanked away



2.13	Drainage from maintenance area discharged via oil interceptor?		✓		Outlet of oil interceptor is blocked and water is tankered away.
	a) Oil and grease removed regularly?		✓		
	b) Collected by licensed collector?		✓		
2.14	Follow Cargo Handling Guideline to minimise the chance of accidental spillage during loading and unloading adjacent to marine frontage?	✓			Not required
2.15	Bulk cargo and materials packed properly?		✓		
2.16	Temporary stockpiles covered during rainstorms?	✓			No dusty stockpile is observed
2.17	Measures to prevent the washing away of sand/silt to drains?	<b>√</b>			No sand/silt is generated from the recycling process
3. Ai	r Quality	N/A	Yes	No	Remarks
3.1	Valid Specified Process (SP) Licence available for all specified process?		✓		Valid from Feb 2018 to Feb 2023
	a) SP Licence conditions / monitoring requirements comply?		✓		Quarterly reporting on quantity of raw material and product (up to Jul 2018)
3.2	Operate without generation of noticeable odour?		<b>✓</b>		
	a) If odour is detected, can the source be identified?	✓			
	b) Odourous materials covered?		✓		
	c) If odour control system is installed, is it operating normally?		✓		
3.3	Dusty materials dampened prior to loading/unloading?	✓			No loading/unloading of dusty materials is observed
3.4	Dust monitoring record available?	✓			Not required
	a) Monitoring frequency met the licence requirement?	<b>✓</b>			
	b) Any exceedance?	✓			
	c) If exceedance is recorded, follow-up action taken?	✓			
3.5	Dust-suppression measures provided where main dust-generating activities take place (i.e. enclosures or regular dampening)?	<b>√</b>			No dust-generating activity is observed
3.6	Open burning prohibited?		✓		
3.7	Emission from chimney or powered plant free of black smoke?		✓		
3.8	Vehicles and equipment switched off while not in use?		✓		
3.9	Obtained approval for installation/alteration of furnace, oven or chimney consuming over 25L liquid fuel/hour, or 35kg solid fuel/hour, or 1150MJ gaseous fuel/hour?	✓			Not required
3.10	Obtained approval for the use of liquid fuel with a viscosity point of ignition >30 centistokes or an equivalent viscosity?	✓			Not required
3.11	Air pollution control system properly maintained and function normally?		✓		Regular replacement of activated carbon filter
3.12	Dust collected by any air pollution control equipment installed by tenants tested to ensure compliance for landfill disposal?	✓			
	a) Obtained approval for the use of controlled refrigerant?	✓			
	b) If yes, record of refrigeration equipment service available?	<b>√</b>			
3.13	Only ultra-low sulphur diesel is used for activities requiring liquid fuel?		✓		
3.14	Public road around site entrance kept clean and free from dust?		<b>√</b>		
3.15	Materials transported on trucks covered?	✓			Not observed



3.16 Truck loads to a level within the side and tail boards?	Not observed  No stockpile of dusty material
3.17 Stockpiles of dusty materials covered or regularly watered?	is observed
3.18 Major dust source(s): Wind erosion Vel	hicle/equipment movement
Loading/unloading of materials	ners: n/a
4. Waste / Chemical Management	
General	N/A Yes No Remarks
4.1 Registered as chemical waste producer?	
4.2 Sufficient receptacles (e.g. rubbish bins) available?	
4.3 Disposed of regularly and properly?	
4.4 Sorting of materials on-site for reuse or disposal to designated outlet?	
4.5 Records of quantities of waste generated, recycled and disposed properly kept?	✓ Verified via quarterly report
4.6 Collection of sludge by licensed collector at regular intervals?	Not observed
Packaging of Chemical Waste	
4.7 Stored in suitable container?	No chemical waste is observed
4.8 Container properly closed or sealed?	
4.9 Spillage cleaned up immediately through the use of absorbent?	
4.10 Obtained approval for the use of chemical waste container >450L?	
<u>Labelling of Chemical Waste</u>	
4.11 Provision of chemical waste label?	
a) Label is securely attached and visible?	
b) Label is bilingual and in proper dimension?	
c) Information is accurate and sufficient?	
Storage of Chemical Waste	
4.12 Proper "Chemical Waste" sign displayed?	
4.13 Incompatible wastes separated by impermeable partition?	
4.14 Containers kept in cabinet or receptacle of suitable material (if quantity <50L), or provided with drip trays capable of storing 110% of the volume of the largest container (if quantity >50L)?	
4.15 Enclosed on 3 sides with no less than 2m in height or height of tallest container / stack of containers?	
4.16 Properly stored and locked in designated area with adequate ventilation?	
4.17 Storage area paved with concrete and kept clean and dry?	
4.18 Cover provided for outdoor storage area?	
4.19 Chemical waste collected by licensed collector?	
Liquid Chemical Storage	
4.20 Storage area provided with permeation-proof floor or surface?	Follow-up Observation (1)
4.21 Capacity of retention structure sufficient to accommodate contents of the largest container or 20% volume of the material in storage?	New Observation (1)

### SITE INSPECTION CHECKLIST



4.22 Walls or partitions of stacked container storage area constructed of impermeable material?	Follow-up Observation (1)
<ul> <li>5. Landfill Gas (LFG) (within LFG Consultation Zone)</li> <li>5.1 Alert workers and visitors of possible LFG hazards?</li> <li>5.2 Smoking and open fires prohibited?</li> </ul>	N/A Yes No Remarks Outside LFG consultation zone
6. Others	N/A Yes No Remarks
6.1 Works confined within lot boundaries?	
6.2 Damage to surrounding areas avoided?	
6.3 Site lighting designed to avoid glare to surrounding receivers?	
6.4 Materials and machinery stored in an orderly manner?	
6.5 Areas within lot for recycling activities paved with concrete?	
6.6 Potential stagnant pools cleared and mosquito breeding prevented?	
6.7 Valid calibration certificate for any monitoring equipment?	For source sampling; Not provided
6.8 Valid licence(s) obtained for manufacture or storage of dangerous goods?	
a) Storage area in compliance with the approved plan?	Subject to tenant's information provision
b) Storage area is securely locked?	
c) Total storage capacity in compliance with relevant statutory requirement?	
d) Proper labelling provided?	
e) Dangerous goods properly packaged?	

#### Remarks:

#### Follow-up from Previous Audits

1) The temporary storage area for containers was not provided with permeation-proof floor. Enclosed storage tanks had been provided in previous months to gradually replace the old glycerin storage containers. As updated by the tenant, permanent concrete floor will be provided after removal of the glycerine inside the enclosed storage tanks in order to temporarily relocate the tanks for paving works. The progress will be monitored in the next audit.

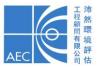


(Observed on 24 October 2018)



(Observed on 20 November 2018)

#### SITE INSPECTION CHECKLIST



2) While the tenant had cleared the leaked chemical stain and the damaged container observed in October 2018, leakage was observed from another neighbouring container. The tenant should clear the spilled chemical and the damaged container, as well as implement sufficient measures during material transfer to avoid or contain the accidental spillage. The containers pending for removal should be also well maintained to avoid potential leakage.



(Observed on 24 October 2018)



(Observed on 20 November 2018)



(Observed on 20 November 2018)



(Observed on 20 November 2018)

#### New Observations

1) Chemical spillage from glycerine storage tank was observed. The tenant was requested to clear the spilled chemical and the chemical stain.



(Observed on 20 November 2018)

#### **Signatures:**

ET Representative:

Name Ronan CHAN

Date: 2018/11/20

Operator Representative:

Name:

May Wu

Date:

28 NOV 2018

Tenant Representative:

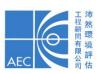
Name: Wong Yiu Kwong

Date: 1 Dec 2018

IEC Representative:

Name: Gerald Kam

Date: 2018 - Nov - 27



	Inspection Date:         2018/12/13         Time:         10:45           Lot Number:         T5         Tenant:         Champway	Inspected by:	Ronan CHAN	
<u>Wea</u>	ther  Condition: Sunny ✓ Fine Overcast Drizzle  Temperature: 15 ℃ Humidity: High  Wind: Calm ✓ Light Breeze Strong	Rain Moderate	Storm Low	Hazy
1. Ge	eneral	N/A Yes	No Remarks	
1.2 1.3 1.4 1.5			EP for tenant is UPML's Environ Policy is followed UPML's EMP is UPML's ERP is	nmental ed s followed
	ater Quality	N/A Yes	No Remarks Suspension of dische	
2.1	Valid Effluent Discharge Licence available?  a) Sampling record available?  b) Monitoring frequency met the licence requirement?  c) Monitoring result comply with the licence requirement?  d) If exceedance is recorded, any follow-up action taken?		to communal sewer lenforcement unit of lenforcement	EPD sampling was uthority
2.2	Provision of wastewater treatment facility (WTF) prior to discharge?  a) Adequate capacity?  b) Properly maintained and function normally?  Surface run-off control measures in place and adequately maintained?		Wastewater is to For temporary s Outlet is blocke	torage tank
2.4 2.5	Surface run-off discharging into drainage system?  All manholes covered?  Foam, oil, grease, debris, rubbish and other objectionable matters prevented from entering nearby drains or sewer?		Follow-up Obse	rvation (2)
	Storage of materials and equipment located away from water bodies?  Drainage system well maintained to prevent flooding or overflow?		Stop-logs are av	
	Equipment oil and lubrication replacements performed only in bunded maintenance area?  Contaminated water collected in the surface drainage system is treated at water treatment facility or other appropriate treatment facility?	Y Y	Replacement ac observed  Wastewater is ta	



2.13	Drainage from maintenance area discharged via oil interceptor?		Outlet of oil interceptor is blocked and water is tankered away.
	a) Oil and grease removed regularly?		_
	b) Collected by licensed collector?		
2.14	Follow Cargo Handling Guideline to minimise the chance of accidental spillage during loading and unloading adjacent to marine frontage?		Not required
2.15	Bulk cargo and materials packed properly?	✓	
2.16	Temporary stockpiles covered during rainstorms?		No dusty stockpile is observed
2.17	Measures to prevent the washing away of sand/silt to drains?		No sand/silt is generated from the recycling process
3. Ai	r Quality	N/A Yes No	Remarks
3.1	Valid Specified Process (SP) Licence available for all specified process?		Valid from Feb 2018 to Feb 2023
	a) SP Licence conditions / monitoring requirements comply?		Quarterly reporting on quantity of raw material and product (up to Jul 2018)
3.2	Operate without generation of noticeable odour?		
	a) If odour is detected, can the source be identified?		
	b) Odourous materials covered?		
	c) If odour control system is installed, is it operating normally?		
3.3	Dusty materials dampened prior to loading/unloading?		No loading/unloading of dusty materials is observed
3.4	Dust monitoring record available?		Not required
	a) Monitoring frequency met the licence requirement?		
	b) Any exceedance?		
	c) If exceedance is recorded, follow-up action taken?		
3.5	Dust-suppression measures provided where main dust-generating activities take place (i.e. enclosures or regular dampening)?	<b>/</b>	No dust-generating activity is observed
3.6	Open burning prohibited?		
3.7	Emission from chimney or powered plant free of black smoke?		
3.8	Vehicles and equipment switched off while not in use?		
3.9	Obtained approval for installation/alteration of furnace, oven or chimney consuming over 25L liquid fuel/hour, or 35kg solid fuel/hour, or 1150MJ gaseous fuel/hour?		Not required
3.10	Obtained approval for the use of liquid fuel with a viscosity point of ignition >30 centistokes or an equivalent viscosity?	<u> </u>	Not required
3.11	Air pollution control system properly maintained and function normally?		Regular replacement of activated carbon filter
3.12	Dust collected by any air pollution control equipment installed by tenants tested to ensure compliance for landfill disposal?	<b>/</b>	
	a) Obtained approval for the use of controlled refrigerant?		
	b) If yes, record of refrigeration equipment service available?		
3.13	Only ultra-low sulphur diesel is used for activities requiring liquid fuel?		
3.14	Public road around site entrance kept clean and free from dust?		
3.15	Materials transported on trucks covered?		Not observed



3.16 Truck loads to a level within the side and tail boards?	Not observed No stockpile of dusty materia
3.17 Stockpiles of dusty materials covered or regularly watered?	is observed
3.18 Major dust source(s): Wind erosion Veh	nicle/equipment movement
Loading/unloading of materials	ners: n/a
4. Waste / Chemical Management	
General	N/A Yes No Remarks
4.1 Registered as chemical waste producer?	
4.2 Sufficient receptacles (e.g. rubbish bins) available?	
4.3 Disposed of regularly and properly?	
4.4 Sorting of materials on-site for reuse or disposal to designated outlet?	
4.5 Records of quantities of waste generated, recycled and disposed properly kept?	✓ Verified via quarterly report
4.6 Collection of sludge by licensed collector at regular intervals?	✓ Not observed
Packaging of Chemical Waste	
4.7 Stored in suitable container?	
4.8 Container properly closed or sealed?	
4.9 Spillage cleaned up immediately through the use of absorbent?	✓ No spillage is observed
4.10 Obtained approval for the use of chemical waste container >450L?	
<u>Labelling of Chemical Waste</u>	
4.11 Provision of chemical waste label?	
a) Label is securely attached and visible?	
b) Label is bilingual and in proper dimension?	
c) Information is accurate and sufficient?	
Storage of Chemical Waste	
4.12 Proper "Chemical Waste" sign displayed?	
4.13 Incompatible wastes separated by impermeable partition?	✓ □ □
4.14 Containers kept in cabinet or receptacle of suitable material (if quantity <50L), or provided with drip trays capable of storing 110% of the volume of the largest container (if quantity >50L)?	
4.15 Enclosed on 3 sides with no less than 2m in height or height of tallest container / stack of containers?	
4.16 Properly stored and locked in designated area with adequate ventilation?	<u> </u>
4.17 Storage area paved with concrete and kept clean and dry?	
4.18 Cover provided for outdoor storage area?	
4.19 Chemical waste collected by licensed collector?	
<u>Liquid Chemical Storage</u>	
4.20 Storage area provided with permeation-proof floor or surface?	Follow-up Observation (1)
4.21 Capacity of retention structure sufficient to accommodate contents of the largest container or 20% volume of the material in storage?	Follow-up Observation (3)

#### **SITE INSPECTION CHECKLIST**



4.22 Walls or partitions of stacked container storage area constructed of impermeable material	al? Follow-up Observation (1)
<ul> <li>5. Landfill Gas (LFG) (within LFG Consultation Zone)</li> <li>5.1 Alert workers and visitors of possible LFG hazards?</li> <li>5.2 Smoking and open fires prohibited?</li> </ul>	N/A Yes No Remarks Outside LFG consultation zone
6. Others	N/A Yes No Remarks
6.1 Works confined within lot boundaries?	
6.2 Damage to surrounding areas avoided?	
6.3 Site lighting designed to avoid glare to surrounding receivers?	
6.4 Materials and machinery stored in an orderly manner?	
6.5 Areas within lot for recycling activities paved with concrete?	
6.6 Potential stagnant pools cleared and mosquito breeding prevented?	
6.7 Valid calibration certificate for any monitoring equipment?	For source sampling; Not provided
6.8 Valid licence(s) obtained for manufacture or storage of dangerous goods?	
a) Storage area in compliance with the approved plan?	Subject to tenant's information provision
b) Storage area is securely locked?	
c) Total storage capacity in compliance with relevant statutory requirement?	
d) Proper labelling provided?	
e) Dangerous goods properly packaged?	

#### Remarks:

#### Follow-up from Previous Audits

1) The temporary storage area for containers was not provided with permeation-proof floor. Enclosed storage tanks had been provided in previous months to gradually replace the old glycerin storage containers. As updated by the tenant, permanent concrete floor will be provided after removal of the glycerine inside the enclosed storage tanks in order to temporarily relocate the tanks for paving works. The progress will be monitored in the next audit.



(Observed on 20 November 2018)



(Observed on 13 December 2018)

#### SITE INSPECTION CHECKLIST



2) The tenant had cleared the spilled chemical.



(Observed on 20 November 2018)



(Observed on 13 December 2018)

3) Chemical stain from glycerine storage tank was cleared.



(Observed on 20 November 2018)



(Observed on 13 December 2018)

#### New Observations

· No major environmental deficiency was observed.

**Signatures:** 

ET Representative:

Name: Ronan CHAN

Date: 2018/12/13

Operator Representative:

Name:

May Wu

Date:

24-12-2018

Tenant Representative:

Name: Wong Yiu Kwong

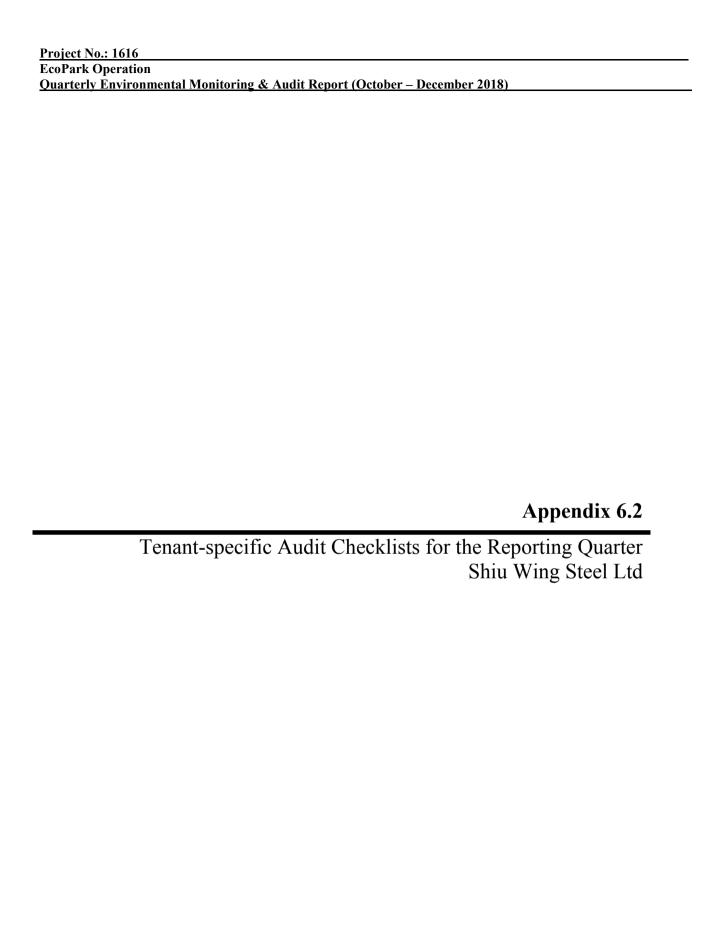
Date: 27 Dec 2018

IEC Representative:

Name: / Flerald Kan

Date: 7

14 - Dec - 21

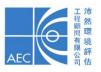


Issue 1\_\_\_\_\_AEC

## SITE INSPECTION CHECKLIST



	Inspection Date:         2018/10/24         Time:         09:30           Lot Number:         T2 & T3         Tenant:         Shiu Wing	Inspected by:	Ronan CHAN David TSANG
Wea	Temperature: 26 ℃ Humidity: Hi	rizzle Rain igh Moderate rong	Storm Hazy Low
1. G	<u>eneral</u>	N/A Yes	No Remarks
1.2 1.3 1.4	(a) Drill or training records available?		EP for tenant is not required.  UPML's Environmental Policy is followed  UPML's EMP is followed  UPML's ERP is followed  Subject to tenant's provision
1.0	Any record of complaint or prosecution?		
2.1 2.2 2.3 2.4 2.5	Valid Effluent Discharge Licence available?  a) Sampling record available?  b) Monitoring frequency met the licence requirement?  c) Monitoring result comply with the licence requirement?  d) If exceedance is recorded, any follow-up action taken?  Provision of wastewater treatment facility (WTF) prior to discharge?  a) Adequate capacity?  b) Properly maintained and function normally?  Surface run-off control measures in place and adequately maintained?  Surface run-off discharging into drainage system?  All manholes covered?  Foam, oil, grease, debris, rubbish and other objectionable matters prevented from	N/A Yes    V	No Remarks  No wastewater is generated from recycling process
2.7 2.8 2.9	entering nearby drains or sewer?  Storage of materials and equipment located away from water bodies?  Drainage system well maintained to prevent flooding or overflow?	ery V	Recycling process has low risk of contamination Stop-logs are available for use by tenant if needed.  Replacement activity is not
2.11	Equipment oil and lubrication replacements performed only in bunded maintenance are	ea? ✓	observed



2.12	Contaminated water collected in the surface drainage system is treated at water treatment facility or other appropriate treatment facility?	<b>/</b>	No contaminated water was observed
2.13	Drainage from maintenance area discharged via oil interceptor?	✓	Not required
	a) Oil and grease removed regularly?	✓	
	b) Collected by licensed collector?	✓	
2.14	Follow Cargo Handling Guideline to minimise the chance of accidental spillage during loading and unloading adjacent to marine frontage?		
2.15	Bulk cargo and materials packed properly?		
2.16	Temporary stockpiles covered during rainstorms?	✓	No dusty stockpile is observed
2.17	Measures to prevent the washing away of sand/silt to drains?	<b>/</b>	No sand/silt is generated from the recycling process
3. A	ir Quality	N/A Yes No	Remarks
3.1	Valid Specified Process (SP) Licence available for all specified process?	<b>✓</b>	Not required
	a) SP Licence conditions / monitoring requirements comply?	✓	
3.2	Operate without generation of noticeable odour?		
	a) If odour is detected, can the source be identified?	✓	
	b) Odourous materials covered?	✓	
	c) If odour control system is installed, is it operating normally?	✓	
3.3	Dusty materials dampened prior to loading/unloading?		
3.4	Dust monitoring record available?	✓ <u> </u>	Not required
	a) Monitoring frequency met the licence requirement?	✓ <u> </u>	
	b) Any exceedance?	✓	
	c) If exceedance is recorded, follow-up action taken?	✓	[
3.5	Dust-suppression measures provided where main dust-generating activities take place (i.e. enclosures or regular dampening)?		
3.6	Open burning prohibited?		J
3.7	Emission from chimney or powered plant free of black smoke?		
3.8	Vehicles and equipment switched off while not in use?		
3.9	Obtained approval for installation/alteration of furnace, oven or chimney consuming over 25L liquid fuel/hour, or 35kg solid fuel/hour, or 1150MJ gaseous fuel/hour?	<b>/</b>	Not required
3.10	Obtained approval for the use of liquid fuel with a viscosity point of ignition >30 centistokes or an equivalent viscosity?	<b>/</b>	Not required
3.11	Air pollution control system properly maintained and function normally?	✓	Not required
3.12	Dust collected by any air pollution control equipment installed by tenants tested to ensure compliance for landfill disposal?	<b>/</b>	
	a) Obtained approval for the use of controlled refrigerant?	✓ <u> </u>	
	b) If yes, record of refrigeration equipment service available?	<b>✓</b>	
3.13	Only ultra-low sulphur diesel is used for activities requiring liquid fuel?	<b>/</b>	
3.14	Public road around site entrance kept clean and free from dust?		



3.15 Materials transported on tru	icks covered?		<b>✓</b>		Not observed
3.16 Truck loads to a level withi			<u></u> ✓		Not observed
3.17 Stockpiles of dusty material					No dusty material is observed
3.18 Major dust source(s):	Wind erosion	,	Vehicle/eau	ipment movem	
one mager case source(s).	✓ Loading/unloading of materials		Others:	n/a	
			ouicis.	II d	
4. Waste/Chemical Managem	<u>ent</u>				
<u>General</u>			N/A	Yes No	Remarks
4.1 Registered as chemical was	ste producer?		<b>✓</b>		No chemical waste is observed
4.2 Sufficient receptacles (e.g.	rubbish bins) available?			✓	
4.3 Disposed of regularly and p	properly?				
4.4 Sorting of materials on-site	for reuse or disposal to designated outlet?			✓ <u> </u>	
4.5 Records of quantities of wa	ste generated, recycled and disposed properly kept?			✓ <u> </u>	Verified via quarterly report
4.6 Collection of sludge by lice	ensed collector at regular intervals?		<b>√</b>		Not required
Packaging of Chemical Waste					
4.7 Stored in suitable container	?		<b>√</b>		
4.8 Container properly closed of	or sealed?		$\checkmark$		
4.9 Spillage cleaned up immedi	iately through the use of absorbent?		$\checkmark$		
4.10 Obtained approval for the u	use of chemical waste container >450L?		$\checkmark$		
<u>Labelling of Chemical Waste</u>					
4.11 Provision of chemical waste	e label?		<b>√</b>		
a) Label is securely attached	d and visible?		✓		
b) Label is bilingual and in	proper dimension?		✓		
c) Information is accurate a	and sufficient?		✓		
Storage of Chemical Waste					
4.12 Proper "Chemical Waste" s	ign displayed?		✓		
4.13 Incompatible wastes separa	ated by impermeable partition?		✓		
	or receptacle of suitable material (if quantity <50L), toring 110% of the volume of the largest container (i		<b>√</b>		
4.15 Enclosed on 3 sides with no of containers?	o less than 2m in height or height of tallest container	/stack	✓		
4.16 Properly stored and locked	in designated area with adequate ventilation?		<b>✓</b>		
4.17 Storage area paved with cor	ncrete and kept clean and dry?		✓		
4.18 Cover provided for outdoor	storage area?		<b>✓</b>		
4.19 Chemical waste collected b	y licensed collector?		$\checkmark$		
Liquid Waste Storage	iquid Waste Storage				
4.20 Storage area provided with	permeation-proof floor or surface?		✓		

### **SITE INSPECTION CHECKLIST**



4.21 Capacity of retention structure sufficient to accommodate contents of the largest container or 20% volume of the material in storage?	
4.22 Walls or partitions of stacked container storage area constructed of impermeable material?	
5. Landfill Gas (LFG) (within LFG Consultation Zone)	N/A Yes No Remarks
5.1 Alert workers and visitors of possible LFG hazards?	
5.2 Smoking and open fires prohibited?	
6. Others	N/A Yes No Remarks
6.1 Works confined within lot boundaries?	
6.2 Damage to surrounding areas avoided?	
6.3 Site lighting designed to avoid glare to surrounding receivers?	<u> </u>
6.4 Materials and machinery stored in an orderly manner?	
6.5 Areas within lot for recycling activities paved with concrete?	✓ Covered by metal plates
6.6 Potential stagnant pools cleared and mosquito breeding prevented?	
6.7 Valid calibration certificate for any monitoring equipment?	✓ Not required
6.8 Valid licence(s) obtained for manufacture or storage of dangerous goods?	✓ Not required
a) Storage area in compliance with the approved plan?	
b) Storage area is securely locked?	
c) Total storage capacity in compliance with relevant statutory requirement?	
d) Proper labelling provided?	
e) Dangerous goods properly packaged?	
Remarks:	
New Observations	
No major environmental deficiency was observed.	
Signatures:	
ET Representative: Operator Representative: Tenant Representati	tive: IEC Representative:

Date:

Name: Hazel CHEUNG

Date: 2018/10/25

Name Ronan CHAN

Date: 2018/10/24

Name

Date:

May Wu

- 8 NOV 2018

### SITE INSPECTION CHECKLIST



	Inspection Date:         2018/11/20         Time:         09:35           Lot Number:         T2 & T3         Tenant:         Shiu Wing	Inspected by:	Ronan CHAN
Wea	ther  Condition: Sunny ✓ Fine Overcast Drizzle  Temperature: 25 ℃ Humidity: High  Wind: ✓ Calm Light Breeze Strong	Rain  Moderate	Storm Hazy Low
1. G	eneral_	N/A Yes	No Remarks
1.2 1.3 1.4	Environmental Permit (EP) for Tenant displayed at entrances/exits?  Environmental Policy documented?  Environmental Management Plan (EMP) kept up-to-date?  Emergency Response Plan (ERP) documented?  All recycling processes in operation have been approved by WRG of EPD?		EP for tenant is not required.  UPML's Environmental Policy is followed  UPML's EMP is followed  UPML's ERP is followed
	Any record of complaint or prosecution?		<b>✓</b>
2.1	Valid Effluent Discharge Licence available?  a) Sampling record available?  b) Monitoring frequency met the licence requirement?  c) Monitoring result comply with the licence requirement?  d) If exceedance is recorded, any follow-up action taken?  Provision of wastewater treatment facility (WTF) prior to discharge?  a) Adequate capacity?	N/A Yes	No Remarks  No wastewater is generated from recycling process
<ul><li>2.3</li><li>2.4</li><li>2.5</li><li>2.6</li></ul>	b) Properly maintained and function normally?  Surface run-off control measures in place and adequately maintained?  Surface run-off discharging into drainage system?  All manholes covered?  Foam, oil, grease, debris, rubbish and other objectionable matters prevented from entering nearby drains or sewer?		
	Storage of materials and equipment located away from water bodies?  Drainage system well maintained to prevent flooding or overflow?  Processes or activities with high risk of contamination located under covered area?  Installation of stop-logs in perimeter drainage system for uncovered areas where recovery process with potentially high level of contamination is carried out?		Recycling process has low risk of contamination Stop-logs are available for use by tenant if needed.
	Equipment oil and lubrication replacements performed only in bunded maintenance area?  Contaminated water collected in the surface drainage system is treated at water treatment facility or other appropriate treatment facility?	Y Y Output <td>Replacement activity is not observed  No contaminated water was observed</td>	Replacement activity is not observed  No contaminated water was observed



2.13 Drainage from maintenance area discharged via oil interceptor?	✓ Not required
a) Oil and grease removed regularly?	
b) Collected by licensed collector?	
2.14 Follow Cargo Handling Guideline to minimise the chance of accidental spillage during loading and unloading adjacent to marine frontage?	
2.15 Bulk cargo and materials packed properly?	
2.16 Temporary stockpiles covered during rainstorms?	No dusty stockpile is observed
2.17 Measures to prevent the washing away of sand/silt to drains?	No sand/silt is generated from the recycling process
3. Air Quality	N/A Yes No Remarks
3.1 Valid Specified Process (SP) Licence available for all specified process?	✓ Not required
a) SP Licence conditions / monitoring requirements comply?	<u> </u>
3.2 Operate without generation of noticeable odour?	
a) If odour is detected, can the source be identified?	<u> </u>
b) Odourous materials covered?	
c) If odour control system is installed, is it operating normally?	
3.3 Dusty materials dampened prior to loading/unloading?	
3.4 Dust monitoring record available?	Not required
a) Monitoring frequency met the licence requirement?	
b) Any exceedance?	
c) If exceedance is recorded, follow-up action taken?	
3.5 Dust-suppression measures provided where main dust-generating activities take place (i.e. enclosures or regular dampening)?	
3.6 Open burning prohibited?	
3.7 Emission from chimney or powered plant free of black smoke?	
3.8 Vehicles and equipment switched off while not in use?	
3.9 Obtained approval for installation/alteration of furnace, oven or chimney consuming over 25L liquid fuel/hour, or 35kg solid fuel/hour, or 1150MJ gaseous fuel/hour?	Not required
3.10 Obtained approval for the use of liquid fuel with a viscosity point of ignition >30 centistokes or an equivalent viscosity?	Not required
3.11 Air pollution control system properly maintained and function normally?	✓ Not required
3.12 Dust collected by any air pollution control equipment installed by tenants tested to ensure compliance for landfill disposal?	
a) Obtained approval for the use of controlled refrigerant?	
b) If yes, record of refrigeration equipment service available?	
3.13 Only ultra-low sulphur diesel is used for activities requiring liquid fuel?	
3.14 Public road around site entrance kept clean and free from dust?	
3.15 Materials transported on trucks covered?	✓ Not observed

### SITE INSPECTION CHECKLIST



3.16 Truck loads to a level within the side and tail boards?	✓ Not observed			
3.17 Stockpiles of dusty materials covered or regularly watered?	✓ No dusty material is observed			
	Vehicle/equipment movement			
	Others: n/a			
4. Waste/Chemical Management				
<u>General</u>	N/A Yes No Remarks			
4.1 Registered as chemical waste producer?	No chemical waste is observed			
4.2 Sufficient receptacles (e.g. rubbish bins) available?				
4.3 Disposed of regularly and properly?				
4.4 Sorting of materials on-site for reuse or disposal to designated outlet?				
4.5 Records of quantities of waste generated, recycled and disposed properly kept?	✓ Verified via quarterly report			
4.6 Collection of sludge by licensed collector at regular intervals?	✓ Not required			
Packaging of Chemical Waste				
4.7 Stored in suitable container?				
4.8 Container properly closed or sealed?				
4.9 Spillage cleaned up immediately through the use of absorbent?				
4.10 Obtained approval for the use of chemical waste container >450L?				
<u>Labelling of Chemical Waste</u>				
4.11 Provision of chemical waste label?	<b>/</b>			
a) Label is securely attached and visible?	<b>7</b>			
b) Label is bilingual and in proper dimension?	<b>-</b>			
c) Information is accurate and sufficient?				
Storage of Chemical Waste				
4.12 Proper "Chemical Waste" sign displayed?				
4.13 Incompatible wastes separated by impermeable partition?				
4.14 Containers kept in cabinet or receptacle of suitable material (if quantity <50L), or provided with drip trays capable of storing 110% of the volume of the largest container (if quantity >50L)	7			
4.15 Enclosed on 3 sides with no less than 2m in height or height of tallest container / stack of containers?				
4.16 Properly stored and locked in designated area with adequate ventilation?	✓			
4.17 Storage area paved with concrete and kept clean and dry?				
4.18 Cover provided for outdoor storage area?				
4.19 Chemical waste collected by licensed collector?				
Liquid Waste Storage				
4.20 Storage area provided with permeation-proof floor or surface?				
4.21 Capacity of retention structure sufficient to accommodate contents of the largest container or 20% volume of the material in storage?				

### **SITE INSPECTION CHECKLIST**



4.22	Walls or partitions of stacked container storage area constructed of impermeable material?	<b>✓</b>		
<u>5. La</u>	andfill Gas (LFG) (within LFG Consultation Zone)	N/A Yes	No	Remarks
5.1	Alert workers and visitors of possible LFG hazards?			
5.2	Smoking and open fires prohibited?	✓		
<u>6. O</u>	<u>thers</u>	N/A Yes	No	Remarks
6.1	Works confined within lot boundaries?	✓		
6.2	Damage to surrounding areas avoided?	<b>✓</b>		
6.3	Site lighting designed to avoid glare to surrounding receivers?	<b>√</b>		
6.4	Materials and machinery stored in an orderly manner?	<b>✓</b>		
6.5	Areas within lot for recycling activities paved with concrete?		✓	Covered by metal plates
6.6	Potential stagnant pools cleared and mosquito breeding prevented?	<b>✓</b>		
6.7	Valid calibration certificate for any monitoring equipment?	<b>√</b>		Not required
6.8	Valid licence(s) obtained for manufacture or storage of dangerous goods?	<b>√</b>		Not required
	a) Storage area in compliance with the approved plan?	<b>✓</b>		
	b) Storage area is securely locked?	<b>✓</b>		
	c) Total storage capacity in compliance with relevant statutory requirement?	<b>✓</b>		
	d) Proper labelling provided?	<b>√</b>		
	e) Dangerous goods properly packaged?	<b>√</b>		

#### Remarks:

#### New Observations

• No major environmental deficiency was observed.

**Signatures:** 

ET Representative:

Name Ronan CHAN

Date: 2018/11/20

Operator Representative:

Name:

May Wu

Date: 2 8 NOV 2018

Tenant Representative:

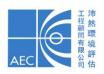
lame: Hex Was

Date: 30, 11, 2016

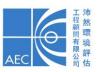
IEC Representative:

Name: There de Kenn

## SITE INSPECTION CHECKLIST



	Inspection Date:         2018/12/13         Time:         09:50           Lot Number:         T2 & T3         Tenant:         Shiu Wing	Inspected by:	Ronan CHAN
Wea	ther  Condition: Sunny ✓ Fine Overcast Drizzle  Temperature: 15 ℃ Humidity: High  Wind: Calm ✓ Light Breeze Strong	Rain  ✓ Moderate	Storm Hazy Low
1. Ge	<u>eneral</u>	N/A Yes	No Remarks
	Environmental Permit (EP) for Tenant displayed at entrances/exits?  Environmental Policy documented?		EP for tenant is not required.  UPML's Environmental Policy is followed
	Environmental Management Plan (EMP) kept up-to-date?		UPML's EMP is followed
	Emergency Response Plan (ERP) documented?  All recycling processes in operation have been approved by WRG of EPD?	✓ <u></u>	UPML's ERP is followed
1.6	Any record of complaint or prosecution?		<b>✓</b>
2. W	ater Quality	N/A Yes	No Remarks
2.1	Valid Effluent Discharge Licence available?	<b>✓</b>	No wastewater is generated from recycling process
	a) Sampling record available?	<b>✓</b>	
	b) Monitoring frequency met the licence requirement?	<b>✓</b>	
	c) Monitoring result comply with the licence requirement?	<b>✓</b>	
	d) If exceedance is recorded, any follow-up action taken?	<b>√</b>	
2.2	Provision of wastewater treatment facility (WTF) prior to discharge?	<b>√</b>	
	a) Adequate capacity?	✓	
	b) Properly maintained and function normally?	✓	
2.3	Surface run-off control measures in place and adequately maintained?		
2.4	Surface run-off discharging into drainage system?		
2.5	All manholes covered?		
2.6	Foam, oil, grease, debris, rubbish and other objectionable matters prevented from entering nearby drains or sewer?		
2.7	Storage of materials and equipment located away from water bodies?		
2.8	Drainage system well maintained to prevent flooding or overflow?		
2.9	Processes or activities with high risk of contamination located under covered area?		Recycling process has low risk of contamination
	Installation of stop-logs in perimeter drainage system for uncovered areas where recovery process with potentially high level of contamination is carried out?	<b>─</b>	Stop-logs are available for use by tenant if needed.
2.11	Equipment oil and lubrication replacements performed only in bunded maintenance area?	<b>V</b>	Replacement activity is not observed
2.12	Contaminated water collected in the surface drainage system is treated at water treatment facility or other appropriate treatment facility?	<u> </u>	No contaminated water was observed



2.13	Drainage from maintenance area discharged via oil interceptor?	✓	Not required
	a) Oil and grease removed regularly?		
	b) Collected by licensed collector?	<b>✓</b> □ □	
	Follow Cargo Handling Guideline to minimise the chance of accidental spillage during loading and unloading adjacent to marine frontage?		
2.15	Bulk cargo and materials packed properly?		
2.16	Temporary stockpiles covered during rainstorms?	✓ <u> </u>	No dusty stockpile is observed
2.17	Measures to prevent the washing away of sand/silt to drains?	✓ <u> </u>	No sand/silt is generated from the recycling process
3. Air	r Quality	N/A Yes No	Remarks
3.1	Valid Specified Process (SP) Licence available for all specified process?	✓ □ □	Not required
	a) SP Licence conditions / monitoring requirements comply?	✓	
3.2	Operate without generation of noticeable odour?		
	a) If odour is detected, can the source be identified?	✓ □ □	
	b) Odourous materials covered?	✓ □ □	
	c) If odour control system is installed, is it operating normally?	✓ □ □	
3.3	Dusty materials dampened prior to loading/unloading?		
3.4	Dust monitoring record available?	<b>✓</b> □ □	Not required
	a) Monitoring frequency met the licence requirement?	<b>✓</b> □ □	
	b) Any exceedance?	<b>✓</b> □ □	
	c) If exceedance is recorded, follow-up action taken?	<b>✓</b> □ □	-
	Dust-suppression measures provided where main dust-generating activities take place (i.e. enclosures or regular dampening)?		
3.6	Open burning prohibited?		
3.7	Emission from chimney or powered plant free of black smoke?		
3.8	Vehicles and equipment switched off while not in use?		-
	Obtained approval for installation/alteration of furnace, oven or chimney consuming over 25L liquid fuel/hour, or 35kg solid fuel/hour, or 1150MJ gaseous fuel/hour?	<b>/</b>	Not required
	Obtained approval for the use of liquid fuel with a viscosity point of ignition >30 centistokes or an equivalent viscosity?		Not required
3.11	Air pollution control system properly maintained and function normally?	<b>✓</b> □ □	Not required
	Dust collected by any air pollution control equipment installed by tenants tested to ensure compliance for landfill disposal?		
	a) Obtained approval for the use of controlled refrigerant?	<b>✓</b> □ □	
	b) If yes, record of refrigeration equipment service available?	<b>✓</b> □ □	
3.13	Only ultra-low sulphur diesel is used for activities requiring liquid fuel?	<b>✓</b> □ □	
3.14	Public road around site entrance kept clean and free from dust?		
3.15	Materials transported on trucks covered?	<b>/</b>	Not observed

### SITE INSPECTION CHECKLIST



3.16 Truck loads to a level w	rithin the side and tail boards?		Not observed	
3.17 Stockpiles of dusty mate	erials covered or regularly watered?		No dusty material is observed	
3.18 Major dust source(s):	Wind erosion	Vehicle/equipment movem	ent	
, , , ,	✓ Loading/unloading of materials	Others: n/a		
4. Waste / Chemical Manag	<u>ement</u>			
General		N/A Yes No	Remarks	
4.1 Registered as chemical	waste producer?		No chemical waste is observed	
4.2 Sufficient receptacles (e	e.g. rubbish bins) available?			
4.3 Disposed of regularly ar	nd properly?			
4.4 Sorting of materials on-	site for reuse or disposal to designated outlet?		-	
4.5 Records of quantities of	waste generated, recycled and disposed properly kept?	✓	Verified via quarterly report	
4.6 Collection of sludge by	licensed collector at regular intervals?	<b>✓</b> □ □	Not required	
Packaging of Chemical Waste	2			
4.7 Stored in suitable contain	iner?	<b>✓</b>		
4.8 Container properly close	ed or sealed?	<b>V</b>		
4.9 Spillage cleaned up imn	nediately through the use of absorbent?	<b>V</b>		
4.10 Obtained approval for the	he use of chemical waste container >450L?	<b>V</b>		
Labelling of Chemical Waste				
4.11 Provision of chemical w	vaste label?	<b>V</b>		
a) Label is securely attach	ched and visible?	<b>V</b>		
b) Label is bilingual and	l in proper dimension?	<b>V</b>		
c) Information is accura	te and sufficient?			
Storage of Chemical Waste				
4.12 Proper "Chemical Waste	e" sign displayed?	<b>V</b>		
4.13 Incompatible wastes sep	parated by impermeable partition?			
	net or receptacle of suitable material (if quantity <50L), or scapable of storing 110% of the volume of the largest contains	iner (if quantity >50L)?		
4.15 Enclosed on 3 sides with of containers?	h no less than 2m in height or height of tallest container/st	tack 🗸 🗀		
4.16 Properly stored and lock	ked in designated area with adequate ventilation?			
4.17 Storage area paved with	concrete and kept clean and dry?	<b>V</b>		
4.18 Cover provided for outd	loor storage area?	✓		
4.19 Chemical waste collecte	ed by licensed collector?			
Liquid Waste Storage				
4.20 Storage area provided w	with permeation-proof floor or surface?			
	ructure sufficient to accommodate contents of the largest ne of the material in storage?	<b>V</b>		

### **SITE INSPECTION CHECKLIST**



4.22 Walls or partitions of stacked container storage area constructed of impermeable material?				
5. Landfill Gas (LFG) (within LFG Consultation Zone)	N/A Yes No Remarks			
5.1 Alert workers and visitors of possible LFG hazards?				
5.2 Smoking and open fires prohibited?				
6. Others	N/A Yes No Remarks			
6.1 Works confined within lot boundaries?				
6.2 Damage to surrounding areas avoided?				
6.3 Site lighting designed to avoid glare to surrounding receivers?				
6.4 Materials and machinery stored in an orderly manner?				
6.5 Areas within lot for recycling activities paved with concrete?	Covered by metal plates			
6.6 Potential stagnant pools cleared and mosquito breeding prevented?				
6.7 Valid calibration certificate for any monitoring equipment?	✓ Not required			
6.8 Valid licence(s) obtained for manufacture or storage of dangerous goods?	✓ Not required			
a) Storage area in compliance with the approved plan?				
b) Storage area is securely locked?				
c) Total storage capacity in compliance with relevant statutory requirement?				
d) Proper labelling provided?				
e) Dangerous goods properly packaged?				
Remarks:				
New Observations				

#### **Signatures:**

ET Representative:

Name: Ronan CHAN

Date: 2018/12/13

Operator Representative:

Name: May Wu

Date: 24-1

Tenant Representative:

Name: Hox Wa

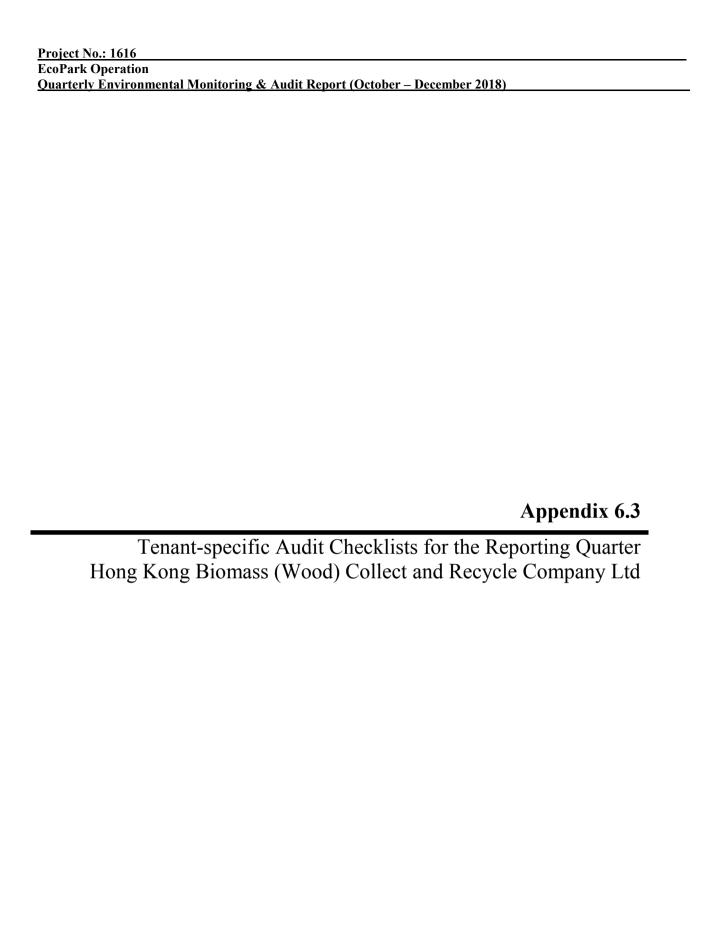
Date: 2 7. (2

IEC Representative:

Name: Grad Kan

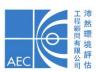
Date: 24-Dec-2018

No major environmental deficiency was observed.



Issue 1\_\_\_\_\_AEC

## SITE INSPECTION CHECKLIST



	Inspection Date:     2018/10/24     Time:     10:45       Lot Number:     T4     Tenant:     Hong Kong Biomass (Wood)	Inspected by:	Ronan CHAN David TSANG
Weat	<u>her</u>		
	Condition: Sunny Fine ✓ Overcast Drizzle   Temperature: 26 °C Humidity: ✓ High   Wind: ✓ Calm Light Breeze Strong	Rain Moderate	Storm Hazy Low
1. Ge	neral_	N/A Yes	No Remarks
1.1	Environmental Permit (EP) for Tenant displayed at entrances/exits?	<b>✓</b>	EP for tenant is not required
1.2	Environmental Policy documented?	<b>✓</b>	UPML's Environmental Policy is followed
1.3	Environmental Management Plan (EMP) kept up-to-date?	<b>✓</b>	UPML's EMP is followed
1.4	Emergency Response Plan (ERP) documented?	✓	UPML's ERP is followed
	(a) Drill or training records available?	<b>✓</b>	Subject to tenant's provision
1.5	All recycling processes in operation have been approved by WFBU?	✓	
1.6	Any record of complaint or prosecution?		<b>✓</b>
2. Wa	<u>ater Quality</u>	N/A Yes	No Remarks generated from the
2.1	Valid Effluent Discharge Licence available?	✓	recycling process
	a) Sampling record available?	<b>✓</b>	
	b) Monitoring frequency met the licence requirement?	<b>✓</b>	
	c) Monitoring result comply with the licence requirement?		
	d) If exceedance is recorded, any follow-up action taken?		
2.2	Provision of wastewater treatment facility (WTF) prior to discharge?	<b>✓</b>	
	a) Adequate capacity?		<u> </u>
	b) Properly maintained and function normally?	✓	<u> </u>
2.3	Surface run-off control measures in place and adequately maintained?		<u> </u>
2.4	Surface run-off discharging into drainage system?		<u> </u>
2.5	All manholes covered?		<u> </u>
2.6	Foam, oil, grease, debris, rubbish and other objectionable matters prevented from entering nearby drains or sewer?	<b>✓</b>	
2.7	Storage of materials and equipment located away from water bodies?	✓	
2.8	Drainage system well maintained to prevent flooding or overflow?	✓	Recycling process has low
2.9	Processes or activities with high risk of contamination located under covered area?	<b>√</b>	risk of contamination Stop-logs are available for
2.10	Installation of stop-logs in perimeter drainage system for uncovered areas where recovery process with potentially high level of contamination is carried out?	✓	use by tenant if needed.
2.11	Equipment oil and lubrication replacements performed only in bunded maintenance area?	<b>✓</b>	Replacement activity is not observed



2.12	Contaminated water collected in the surface drainage system is treated at water treatment facility or other appropriate treatment facility?	✓			No contaminated water is observed
2.13	Drainage from maintenance area discharged via oil interceptor?	<b>√</b>			Not required
	a) Oil and grease removed regularly?	<b>√</b>			-
	b) Collected by licensed collector?	<b>√</b>			
2.14	Follow Cargo Handling Guideline to minimise the chance of accidental spillage during loading and unloading adjacent to marine frontage?	<b>√</b>			Not required
2.15	Bulk cargo and materials packed properly?		✓		
2.16	Temporary stockpiles covered during rainstorms?	<b>√</b>			No dusty stockpile is observed
2.17	Measures to prevent the washing away of sand/silt to drains?	<b>√</b>			No sand/silt is generated from the recycling process
3. Air	· Quality	N/A	Yes	No	Remarks
3.1	Valid Specified Process (SP) Licence available for all specified process?	✓			Not required
	a) SP Licence conditions / monitoring requirements comply?	<b>√</b>			
3.2	Operate without generation of noticeable odour?		<b>✓</b>		
	a) If odour is detected, can the source be identified?	<b>√</b>			
	b) Odourous materials covered?	<b>√</b>			
	c) If odour control system is installed, is it operating normally?	✓			
3.3	Dusty materials dampened prior to loading/unloading?	<b>√</b>			No loading/unloading of dusty materials is observed.
3.4	Dust monitoring record available?	<b>√</b>			Not required
	a) Monitoring frequency met the licence requirement?	<b>√</b>			
	b) Any exceedance?	<b>√</b>			
	c) If exceedance is recorded, follow-up action taken?	✓			
3.5	Dust-suppression measures provided where main dust-generating activities take place (i.e. enclosures or regular dampening)?	<b>√</b>			Dust-generating activity is not observed.
3.6	Open burning prohibited?		<b>✓</b>		
3.7	Emission from chimney or powered plant free of black smoke?		<b>✓</b>		
3.8	Vehicles and equipment switched off while not in use?		<b>✓</b>		
3.9	Obtained approval for installation/alteration of furnace, oven or chimney consuming over 25L liquid fuel/hour, or 35kg solid fuel/hour, or 1150MJ gaseous fuel/hour?	<b>√</b>			Not required
3.10	Obtained approval for the use of liquid fuel with a viscosity point of ignition >30 centistokes or an equivalent viscosity?	<b>√</b>			Not required
3.11	Air pollution control system properly maintained and function normally?	✓			Dust-generating activity is not observed.
3.12	Dust collected by any air pollution control equipment installed by tenants tested to ensure compliance for landfill disposal?	<b>√</b>			
	a) Obtained approval for the use of controlled refrigerant?	<b>√</b>			
	b) If yes, record of refrigeration equipment service available?	<b>√</b>			
3.13	Only ultra-low sulphur diesel is used for activities requiring liquid fuel?	<b>✓</b>			
3.14	Public road around site entrance kept clean and free from dust?		✓		



3.15	Materials transported on trucks covered?	<b>✓</b>		Not observed
3.16	Truck loads to a level within the side and tail boards?	<b>✓</b>		Not observed
3.17	Stockpiles of dusty materials covered or regularly watered?	✓		No stockpile of dusty material is observed
3.18	Major dust source(s): Wind erosion	✓ Vehicle/equ	ipment move	nent
	Loading/unloading of materials	Others:		
4. Wa	ste/Chemical Management			
Gener	<u>al</u>	N/A	Yes No	Remarks No chemical waste is
4.1	Registered as chemical waste producer?	✓		observed observed
4.2	Sufficient receptacles (e.g. rubbish bins) available?		<b>√</b>	
4.3	Disposed of regularly and properly?		<b>√</b>	
4.4	Sorting of materials on-site for reuse or disposal to designated outlet?		<b>√</b>	Verified via quarterly
4.5	Records of quantities of waste generated, recycled and disposed properly kept?		<b>√</b>	report
4.6	Collection of sludge by licensed collector at regular intervals?	✓		Not required
Packa	ging of Chemical Waste			
4.7	Stored in suitable container?	✓		
4.8	Container properly closed or sealed?	✓		
4.9	Spillage cleaned up immediately through the use of absorbent?	✓		
4.10	Obtained approval for the use of chemical waste container >450L?	✓		
Label	ling of Chemical Waste			
4.11	Provision of chemical waste label?	✓		
	a) Label is securely attached and visible?	✓		
	b) Label is bilingual and in proper dimension?	✓		
	c) Information is accurate and sufficient?	✓		
Storag	ge of Chemical Waste			
4.12	Proper "Chemical Waste" sign displayed?	✓		
4.13	Incompatible wastes separated by impermeable partition?	✓		
4.14	Containers kept in cabinet or receptacle of suitable material (if quantity <50L), o with drip trays capable of storing 110% of the volume of the largest container (if			
4.15	Enclosed on 3 sides with no less than 2m in height or height of tallest container of containers?	∕ stack ✓		
4.16	Properly stored and locked in designated area with adequate ventilation?	<b>✓</b>		
4.17	Storage area paved with concrete and kept clean and dry?	<u> </u>		
	Cover provided for outdoor storage area?			
	Chemical waste collected by licensed collector?			
	d Waste Storage			
4.20	Storage area provided with permeation-proof floor or surface?	<b>✓</b>		

## SITE INSPECTION CHECKLIST



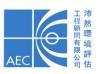
4.21	Capacity of retention structucontainer or 20% volume of	are sufficient to accommodate conto the material in storage?	ents of the largest	✓			
4.22	Walls or partitions of stacked	ed container storage area constructe	d of impermeable material?	<b>√</b>			
5. La	ndfill Gas (LFG) (within LI	FG Consultation Zone)		N/A	Yes	No	Remarks
5.1	Alert workers and visitors o	f possible LFG hazards?			✓		
5.2	Smoking and open fires pro	hibited?			<b>√</b>		
<u>6. Otl</u>	ner <u>s</u>			N/A	Yes	No	Remarks
6.1	Works confined within lot b	ooundaries?			✓		
6.2	Damage to surrounding area	as avoided?			<b>√</b>		
6.3	Site lighting designed to avo	oid glare to surrounding receivers?		<b>√</b>			
6.4	Materials and machinery sto	ored in an orderly manner?			✓		
6.5	Areas within lot for recyclin	ng activities paved with concrete?			✓		
6.6	Potential stagnant pools clea	ared and mosquito breeding preven	ted?		✓		
6.7	Valid calibration certificate	for any monitoring equipment?		<b>✓</b>			No monitoring is required
6.8	Valid licence(s) obtained fo	r manufacture or storage of dangero	ous goods?	<b>✓</b>			Not required
	a) Storage area in compliance	ce with the approved plan?		<b>√</b>			
	b) Storage area is securely le	ocked?		<b>√</b>			
	c) Total storage capacity in	compliance with relevant statutory	requirement?	<b>√</b>			
	d) Proper labelling provided	1?		<b>✓</b>			
	e) Dangerous goods properl	y packaged?		✓			
Rema	rks:						
New (	<u>Observations</u>						
•	No major environmental de	ficiency was observed.					
Signa	tures:						
ET Re	epresentative:	Operator Representative:	Tenant Representativ	e:		IEC Re	presentative:
	(A)		Name (REAT Y Date: 73-11				
Name:	Ronan CHAN	Name May Wu	Name (REST Y	an	10	Name:	
Date:	2018/10/24	Date: - 8 NOV 2018	Date: 73-11	201	g	Date:	



	Inspection Date: 2018/11/20 Time: 11:05  Lot Number: T4 Tenant: Hong Kong Biomass (Wood	Inspected by:	Ronan CHAN
Wea	ther  Condition: Sunny ✓ Fine Overcast Drizzle  Temperature: 25 ℃ Humidity: ✓ High  Wind: ✓ Calm Light Breeze Strong	Rain Moderate	Storm Ha
1. G	<u>eneral</u>	N/A Yes	No Remarks
1.2 1.3 1.4 1.5	Environmental Policy documented?  Environmental Management Plan (EMP) kept up-to-date?		EP for tenant is not required UPML's Environmental Policy is followed  UPML's EMP is followed  UPML's ERP is followed
2. W	ater Quality	N/A Yes	No Remarks No wastewater is generated
	Valid Effluent Discharge Licence available?  a) Sampling record available?  b) Monitoring frequency met the licence requirement?  c) Monitoring result comply with the licence requirement?  d) If exceedance is recorded, any follow-up action taken?  Provision of wastewater treatment facility (WTF) prior to discharge?		from the recycling process
2.3	a) Adequate capacity? b) Properly maintained and function normally? Surface run-off control measures in place and adequately maintained? Surface run-off discharging into drainage system?		
2.5	All manholes covered?  Foam, oil, grease, debris, rubbish and other objectionable matters prevented from entering nearby drains or sewer?		
2.9	Storage of materials and equipment located away from water bodies?  Drainage system well maintained to prevent flooding or overflow?	\ \frac{}{}	Recycling process has low risk of contamination Stop-logs are available for u by tenant if needed.
2.11	process with potentially high level of contamination is carried out?  Equipment oil and lubrication replacements performed only in bunded maintenance area?  Contaminated water collected in the surface drainage system is treated at water treatment facility or other appropriate treatment facility?	<ul><li>✓</li><li>✓</li></ul>	Replacement activity is not observed  No contaminated water is observed



2.13 Drainage from maintenance area discharged via oil interceptor?	✓ Not required
a) Oil and grease removed regularly?	
b) Collected by licensed collector?	
2.14 Follow Cargo Handling Guideline to minimise the chance of accidental spillage during loading and unloading adjacent to marine frontage?	✓ Not required
2.15 Bulk cargo and materials packed properly?	
2.16 Temporary stockpiles covered during rainstorms?	No dusty stockpile is observed
2.17 Measures to prevent the washing away of sand/silt to drains?	No sand/silt is generated from the recycling process  No sand/silt is generated from the recycling process
3. Air Quality	N/A Yes No Remarks
3.1 Valid Specified Process (SP) Licence available for all specified process?	Not required
a) SP Licence conditions / monitoring requirements comply?	
3.2 Operate without generation of noticeable odour?	No operation is observed during inspection
a) If odour is detected, can the source be identified?	
b) Odourous materials covered?	
c) If odour control system is installed, is it operating normally?	
3.3 Dusty materials dampened prior to loading/unloading?	No loading/unloading of dusty materials is observed.
3.4 Dust monitoring record available?	Not required
a) Monitoring frequency met the licence requirement?	
b) Any exceedance?	
c) If exceedance is recorded, follow-up action taken?	
3.5 Dust-suppression measures provided where main dust-generating activities take place (i.e enclosures or regular dampening)?	e. No operation is observed during inspection
3.6 Open burning prohibited?	
3.7 Emission from chimney or powered plant free of black smoke?	
3.8 Vehicles and equipment switched off while not in use?	
3.9 Obtained approval for installation/alteration of furnace, oven or chimney consuming over 25L liquid fuel/hour, or 35kg solid fuel/hour, or 1150MJ gaseous fuel/hour?	Not required
3.10 Obtained approval for the use of liquid fuel with a viscosity point of ignition >30 centistokes or an equivalent viscosity?	Not required
3.11 Air pollution control system properly maintained and function normally?	No operation is observed during inspection
3.12 Dust collected by any air pollution control equipment installed by tenants tested to ensur compliance for landfill disposal?	re 🗸 🗀 🗀
a) Obtained approval for the use of controlled refrigerant?	
b) If yes, record of refrigeration equipment service available?	
3.13 Only ultra-low sulphur diesel is used for activities requiring liquid fuel?	
3.14 Public road around site entrance kept clean and free from dust?	
3.15 Materials transported on trucks covered?	Not observed



3.16 Truck loads to a level within the side and tail boards?	✓ Not observed
3.17 Stockpiles of dusty materials covered or regularly watered?	No stockpile of dusty material is observed
3.18 Major dust source(s): Wind erosion ✓	Vehicle/equipment movement
Loading/unloading of materials	Others:
4. Waste / Chemical Management	
<u>General</u>	N/A Yes No Remarks No chemical waste is
4.1 Registered as chemical waste producer?	observed
4.2 Sufficient receptacles (e.g. rubbish bins) available?	
4.3 Disposed of regularly and properly?	
4.4 Sorting of materials on-site for reuse or disposal to designated outlet?	
4.5 Records of quantities of waste generated, recycled and disposed properly kept?	Verified via quarterly report
4.6 Collection of sludge by licensed collector at regular intervals?	Not required
Packaging of Chemical Waste	
4.7 Stored in suitable container?	
4.8 Container properly closed or sealed?	
4.9 Spillage cleaned up immediately through the use of absorbent?	
4.10 Obtained approval for the use of chemical waste container >450L?	
Labelling of Chemical Waste	
4.11 Provision of chemical waste label?	
a) Label is securely attached and visible?	
b) Label is bilingual and in proper dimension?	
c) Information is accurate and sufficient?	
Storage of Chemical Waste	
4.12 Proper "Chemical Waste" sign displayed?	
4.13 Incompatible wastes separated by impermeable partition?	
4.14 Containers kept in cabinet or receptacle of suitable material (if quantity <50L), or provided with drip trays capable of storing 110% of the volume of the largest container (if quantity >50L	
4.15 Enclosed on 3 sides with no less than 2m in height or height of tallest container / stack of containers?	
4.16 Properly stored and locked in designated area with adequate ventilation?	
4.17 Storage area paved with concrete and kept clean and dry?	
4.18 Cover provided for outdoor storage area?	
4.19 Chemical waste collected by licensed collector?	
Liquid Waste Storage	
4.20 Storage area provided with permeation-proof floor or surface?	
4.21 Capacity of retention structure sufficient to accommodate contents of the largest	
container or 20% volume of the material in storage?	<u> </u>

### SITE INSPECTION CHECKLIST



4.22	Walls or partitions of stacked container storage area constructed of impermeable material?		
<u>5. L</u>	andfill Gas (LFG) (within LFG Consultation Zone)	N/A Yes No	Remarks
5.1	Alert workers and visitors of possible LFG hazards?		
5.2	Smoking and open fires prohibited?		
<u>6. O</u>	<u>thers</u>	N/A Yes No	Remarks
6.1	Works confined within lot boundaries?		
6.2	Damage to surrounding areas avoided?		
6.3	Site lighting designed to avoid glare to surrounding receivers?	<b>/</b>	
6.4	Materials and machinery stored in an orderly manner?		
6.5	Areas within lot for recycling activities paved with concrete?		
6.6	Potential stagnant pools cleared and mosquito breeding prevented?		
6.7	Valid calibration certificate for any monitoring equipment?	✓	No monitoring is required
6.8	Valid licence(s) obtained for manufacture or storage of dangerous goods?	✓ □ □	Not required
	a) Storage area in compliance with the approved plan?	<b>✓</b> □ □	
	b) Storage area is securely locked?	✓	
	c) Total storage capacity in compliance with relevant statutory requirement?	✓	
	d) Proper labelling provided?	✓	
	e) Dangerous goods properly packaged?	✓	

### Remarks:

### New Observations

No major environmental deficiency was observed.

**Signatures:** 

ET Representative:

Name Ronan CHAN

Date: 2018/11/20

Operator Representative:

Name:

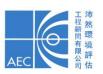
Date:

May Wu

28 NOV 2018

Tenant Representative:

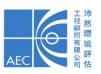
IEC Representative:



	Inspection Date:         2018/12/13         Time:         11:10           Lot Number:         T4         Tenant:         Hong Kong Biomass (Water)	Inspected by:	Ronan CHAN
<u>Wea</u>	ther   Condition: Sunny ✓ Fine Overcast Drizzle   Temperature: 15 ℃ Humidity: High   Wind: Calm ✓ Light Breeze Strong	Rain  Moderate	Storm Hazy Low
1. G	<u>eneral</u>	N/A Yes	No Remarks
1.1 1.2	Environmental Permit (EP) for Tenant displayed at entrances/exits?  Environmental Policy documented?		EP for tenant is not required UPML's Environmental Policy is followed
	Environmental Management Plan (EMP) kept up-to-date?  Emergency Response Plan (ERP) documented?	✓	UPML's EMP is followed  UPML's ERP is followed
	All recycling processes in operation have been approved by WRG of EPD?  Any record of complaint or prosecution?		
	This is the second of the seco		
<u>2. W</u>	ater Quality	N/A Yes	No Remarks
2.1	Valid Effluent Discharge Licence available?	<b>✓</b>	No wastewater is generated from the recycling process
	a) Sampling record available?	<b>✓</b>	<u> </u>
	b) Monitoring frequency met the licence requirement?	✓	
	c) Monitoring result comply with the licence requirement?	<b>✓</b>	<u> </u>
	d) If exceedance is recorded, any follow-up action taken?	<b>✓</b>	
2.2	Provision of wastewater treatment facility (WTF) prior to discharge?	<b>✓</b>	
	a) Adequate capacity?	<b>✓</b>	
	b) Properly maintained and function normally?	<b>✓</b>	
2.3	Surface run-off control measures in place and adequately maintained?	✓	
2.4	Surface run-off discharging into drainage system?	✓	
2.5	All manholes covered?		<u> </u>
2.6	Foam, oil, grease, debris, rubbish and other objectionable matters prevented from entering nearby drains or sewer?		<u> </u>
2.7	Storage of materials and equipment located away from water bodies?		
2.8	Drainage system well maintained to prevent flooding or overflow?	✓	
2.9	Processes or activities with high risk of contamination located under covered area?	<b>✓</b>	Recycling process has low risk of contamination
2.10	Installation of stop-logs in perimeter drainage system for uncovered areas where recovery process with potentially high level of contamination is carried out?	<b>V</b>	Stop-logs are available for use by tenant if needed.
2.11	Equipment oil and lubrication replacements performed only in bunded maintenance area?	<b>✓</b>	Replacement activity is not observed
2.12	Contaminated water collected in the surface drainage system is treated at water treatment facility or other appropriate treatment facility?	✓	No contaminated water is observed



2.13	Drainage from maintenance area discharged via oil interceptor?	✓	Not required
	a) Oil and grease removed regularly?	✓ □ □	-
	b) Collected by licensed collector?		
2.14	Follow Cargo Handling Guideline to minimise the chance of accidental spillage during loading and unloading adjacent to marine frontage?	<b>/</b>	Not required
2.15	Bulk cargo and materials packed properly?		
2.16	Temporary stockpiles covered during rainstorms?		No dusty stockpile is observed
2.17	Measures to prevent the washing away of sand/silt to drains?		No sand/silt is generated from the recycling process
3. Ai	r Quality	N/A Yes No	Remarks
3.1	Valid Specified Process (SP) Licence available for all specified process?		Not required
	a) SP Licence conditions / monitoring requirements comply?	✓	
3.2	Operate without generation of noticeable odour?		
	a) If odour is detected, can the source be identified?		
	b) Odourous materials covered?		
	c) If odour control system is installed, is it operating normally?		
3.3	Dusty materials dampened prior to loading/unloading?		No loading/unloading of dusty materials is observed.
3.4	Dust monitoring record available?		Not required
	a) Monitoring frequency met the licence requirement?		
	b) Any exceedance?		
	c) If exceedance is recorded, follow-up action taken?		
3.5	Dust-suppression measures provided where main dust-generating activities take place (i.e. enclosures or regular dampening)?	✓	Dust-generating activity is not observed
3.6	Open burning prohibited?		
3.7	Emission from chimney or powered plant free of black smoke?		
3.8	Vehicles and equipment switched off while not in use?		
3.9	Obtained approval for installation/alteration of furnace, oven or chimney consuming over 25L liquid fuel/hour, or 35kg solid fuel/hour, or 1150MJ gaseous fuel/hour?	<b>/</b>	Not required
3.10	Obtained approval for the use of liquid fuel with a viscosity point of ignition >30 centistokes or an equivalent viscosity?	<b>/</b>	Not required
3.11	Air pollution control system properly maintained and function normally?		Dust-generating activity is not observed.
3.12	Dust collected by any air pollution control equipment installed by tenants tested to ensure compliance for landfill disposal?	<b>/</b>	
	a) Obtained approval for the use of controlled refrigerant?	✓ □ □	
	b) If yes, record of refrigeration equipment service available?		
3.13	Only ultra-low sulphur diesel is used for activities requiring liquid fuel?		
3.14	Public road around site entrance kept clean and free from dust?		
3.15	Materials transported on trucks covered?	<u> </u>	Not observed



3.16 Truck loads to a level within the side and tail boards?	Not observed
3.17 Stockpiles of dusty materials covered or regularly watered?	No stockpile of dusty material is observed
3.18 Major dust source(s): Wind erosion	Vehicle/equipment movement
Loading/unloading of materials	✓ Others: n/a
4. Waste / Chemical Management	
General	N/A Yes No Remarks
4.1 Registered as chemical waste producer?	No chemical waste is observed
4.2 Sufficient receptacles (e.g. rubbish bins) available?	
4.3 Disposed of regularly and properly?	
4.4 Sorting of materials on-site for reuse or disposal to designated outlet?	
4.5 Records of quantities of waste generated, recycled and disposed properly kept?	✓ Verified via quarterly report
4.6 Collection of sludge by licensed collector at regular intervals?	✓ Not required
Packaging of Chemical Waste	
4.7 Stored in suitable container?	
4.8 Container properly closed or sealed?	
4.9 Spillage cleaned up immediately through the use of absorbent?	
4.10 Obtained approval for the use of chemical waste container >450L?	
Labelling of Chemical Waste	
4.11 Provision of chemical waste label?	
a) Label is securely attached and visible?	
b) Label is bilingual and in proper dimension?	
c) Information is accurate and sufficient?	
Storage of Chemical Waste	
4.12 Proper "Chemical Waste" sign displayed?	
4.13 Incompatible wastes separated by impermeable partition?	
4.14 Containers kept in cabinet or receptacle of suitable material (if quantity <50L), or provided with drip trays capable of storing 110% of the volume of the largest container (i	if quantity >50L)?
4.15 Enclosed on 3 sides with no less than 2m in height or height of tallest container / stack of containers?	
4.16 Properly stored and locked in designated area with adequate ventilation?	
4.17 Storage area paved with concrete and kept clean and dry?	
4.18 Cover provided for outdoor storage area?	
4.19 Chemical waste collected by licensed collector?	
Liquid Waste Storage	
4.20 Storage area provided with permeation-proof floor or surface?	<u> </u>
4.21 Capacity of retention structure sufficient to accommodate contents of the largest container or 20% volume of the material in storage?	

### **SITE INSPECTION CHECKLIST**



4.22	Walls or partitions of stacked container storage area constructed of impermeable material?	<b>✓</b>	
<u>5. La</u>	andfill Gas (LFG) (within LFG Consultation Zone)	N/A Yes No	Remarks
5.1	Alert workers and visitors of possible LFG hazards?		
5.2	Smoking and open fires prohibited?		
<u>6. Ot</u>	thers	N/A Yes No	Remarks
6.1	Works confined within lot boundaries?		
6.2	Damage to surrounding areas avoided?		
6.3	Site lighting designed to avoid glare to surrounding receivers?		
6.4	Materials and machinery stored in an orderly manner?		
6.5	Areas within lot for recycling activities paved with concrete?	✓	
6.6	Potential stagnant pools cleared and mosquito breeding prevented?		
6.7	Valid calibration certificate for any monitoring equipment?	<b>√</b>	No monitoring is required
6.8	Valid licence(s) obtained for manufacture or storage of dangerous goods?	<b>/</b>	Not required
	a) Storage area in compliance with the approved plan?	<b>✓</b>	
	b) Storage area is securely locked?	<b>/</b>	
	c) Total storage capacity in compliance with relevant statutory requirement?	<b>✓</b>	
	d) Proper labelling provided?	<b>✓</b>	
	e) Dangerous goods properly packaged?	<b>✓</b>	

### Remarks:

### New Observations

• No major environmental deficiency was observed.

**Signatures:** 

ET Representative:

Name: Ronan CHAN

Date: 2018/12/13

Operator Representative:

Name: May Wu

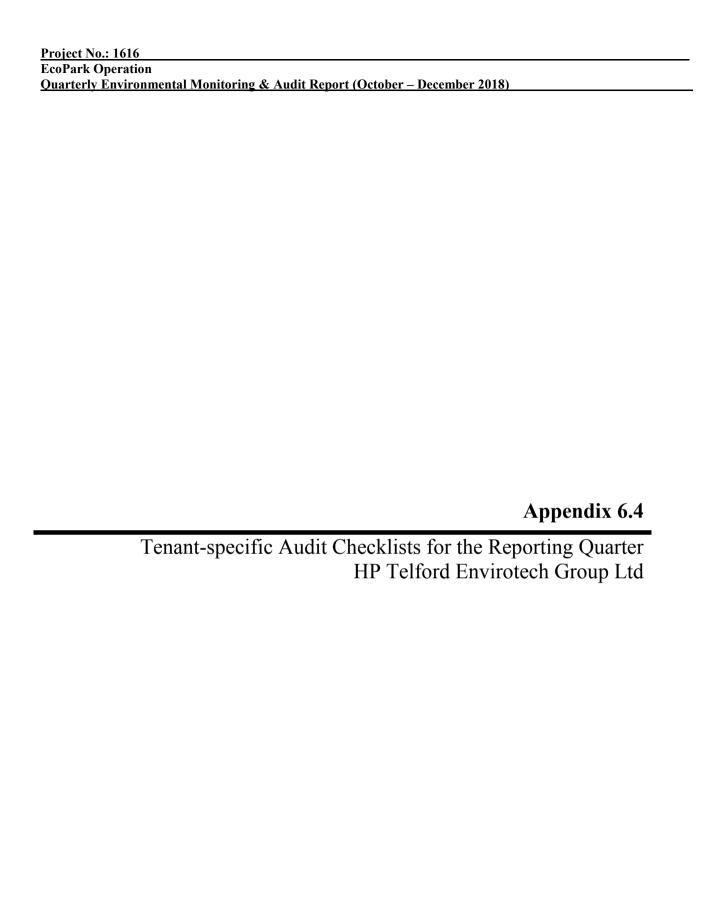
Day 26 13 - 2018

Tenant Representative:

lame: IRENT TAM

Date: 31/12/201

IEC Representative:





	Inspection Date:         2018/10/24         Time:         09:40           Lot Number:         T1         Tenant:         HP Telford	Inspected by:		CHAN TSANG
Wea	ther  Condition: Sunny Fine ✓ Overcast Drizzle  Temperature: 26 ℃ Humidity: High  Wind: ✓ Calm Light Breeze Strong	Rain ✓ Moderate		Storm Hazy Low
1. G	<u>eneral</u>	N/A Yes	No	Remarks
1.3	Environmental Permit (EP) for Tenant displayed at entrances/exits?  Environmental Policy documented?  Environmental Management Plan (EMP) kept up-to-date?  Emergency Response Plan (ERP) documented?  (a) Drill or training records available?  All recycling processes in operation have been approved by WFBU?			EP for tenant is not required.  UPML's Environmental Policy is followed  UPML's EMP is followed  UPML's ERP is followed  Subject to tenant's provision
1.6	Any record of complaint or prosecution?		✓	
2.1 2.2 2.3 2.4 2.5	Valid Effluent Discharge Licence available?  a) Sampling record available?  b) Monitoring frequency met the licence requirement?  c) Monitoring result comply with the licence requirement?  d) If exceedance is recorded, any follow-up action taken?  Provision of wastewater treatment facility (WTF) prior to discharge?  a) Adequate capacity?  b) Properly maintained and function normally?  Surface run-off control measures in place and adequately maintained?  Surface run-off discharging into drainage system?  All manholes covered?  Foam, oil, grease, debris, rubbish and other objectionable matters prevented from entering nearby drains or sewer?	N/A Yes	No	Remarks No wastewater is generated from recycling process  New Observation (1)
	Storage of materials and equipment located away from water bodies?  Drainage system well maintained to prevent flooding or overflow?  Processes or activities with high risk of contamination located under covered area?  Installation of stop-logs in perimeter drainage system for uncovered areas where recovery process with potentially high level of contamination is carried out?			Recycling process has low risk of contamination Stop-logs are available for use by tenant if needed.  Replacement activity is not
2.11	Equipment oil and lubrication replacements performed only in bunded maintenance area?	✓		observed



2.12	Contaminated water collected in the surface drainage system is treated at water treatment facility or other appropriate treatment facility?	<b>√</b>	No contaminated water was observed
2.13	Drainage from maintenance area discharged via oil interceptor?	✓ <u> </u>	Not required
	a) Oil and grease removed regularly?	<b>✓</b> □ □	
	b) Collected by licensed collector?	✓	
2.14	Follow Cargo Handling Guideline to minimise the chance of accidental spillage during loading and unloading adjacent to marine frontage?	<b>V</b>	Not required
2.15	Bulk cargo and materials packed properly?		
2.16	Temporary stockpiles covered during rainstorms?	✓	No dusty stockpile is observed
2.17	Measures to prevent the washing away of sand/silt to drains?	<b>V</b>	No sand/silt is generated from the recycling process
3. Ai	r Quality	N/A Yes No	Remarks
3.1	Valid Specified Process (SP) Licence available for all specified process?	✓ <u> </u>	Not required
	a) SP Licence conditions / monitoring requirements comply?	<b>/</b>	
3.2	Operate without generation of noticeable odour?		
	a) If odour is detected, can the source be identified?		
	b) Odourous materials covered?	✓ <u> </u>	
	c) If odour control system is installed, is it operating normally?	<b>✓</b> □ □	
3.3	Dusty materials dampened prior to loading/unloading?	✓ <u> </u>	No loading/unloading of dusty materials is observed
3.4	Dust monitoring record available?	✓	Not required
	a) Monitoring frequency met the licence requirement?	✓ <u> </u>	
	b) Any exceedance?	✓ <u> </u>	
	c) If exceedance is recorded, follow-up action taken?	✓ <u> </u>	
3.5	Dust-suppression measures provided where main dust-generating activities take place (i.e. enclosures or regular dampening)?	<b>V</b>	No dust-generating activity is observed.
3.6	Open burning prohibited?		
3.7	Emission from chimney or powered plant free of black smoke?		
3.8	Vehicles and equipment switched off while not in use?		
3.9	Obtained approval for installation/alteration of furnace, oven or chimney consuming over 25L liquid fuel/hour, or 35kg solid fuel/hour, or 1150MJ gaseous fuel/hour?	<b>V</b>	Not required
3.10	Obtained approval for the use of liquid fuel with a viscosity point of ignition >30 centistokes or an equivalent viscosity?	<b>/</b>	Not required
3.11	Air pollution control system properly maintained and function normally?	<b>✓</b> □ □	
3.12	Dust collected by any air pollution control equipment installed by tenants tested to ensure compliance for landfill disposal?	<b>V</b>	
	a) Obtained approval for the use of controlled refrigerant?	✓ <u> </u>	
	b) If yes, record of refrigeration equipment service available?	✓ <u> </u>	
3.13	Only ultra-low sulphur diesel is used for activities requiring liquid fuel?	✓	
3.14	Public road around site entrance kept clean and free from dust?		



3.15 Materials transported on trucks covered?	Not observed
3.16 Truck loads to a level within the side and tail boards?	Not observed
3.17 Stockpiles of dusty materials covered or regularly watered?	No stockpile of dusty material is observed
3.18 Major dust source(s): Wind erosion	Vehicle/equipment movement
Loading/unloading of materials	✓ Others: n/a
4. Waste / Chemical Management	
General	N/A Yes No Remarks
4.1 Registered as chemical waste producer?	No chemical waste is observed
4.2 Sufficient receptacles (e.g. rubbish bins) available?	
4.3 Disposed of regularly and properly?	
4.4 Sorting of materials on-site for reuse or disposal to designated outlet?	
4.5 Records of quantities of waste generated, recycled and disposed properly kept?	Verified via quarterly report
4.6 Collection of sludge by licensed collector at regular intervals?	<b></b>
Packaging of Chemical Waste	
4.7 Stored in suitable container?	
4.8 Container properly closed or sealed?	
4.9 Spillage cleaned up immediately through the use of absorbent?	
4.10 Obtained approval for the use of chemical waste container >450L?	
<u>Labelling of Chemical Waste</u>	
4.11 Provision of chemical waste label?	<b></b>
a) Label is securely attached and visible?	
b) Label is bilingual and in proper dimension?	<b></b>
c) Information is accurate and sufficient?	
Storage of Chemical Waste	
4.12 Proper "Chemical Waste" sign displayed?	
4.13 Incompatible wastes separated by impermeable partition?	<u> </u>
4.14 Containers kept in cabinet or receptacle of suitable material (if quantity <50L), or provided with drip trays capable of storing 110% of the volume of the largest contained	er (if quantity >50L)?
4.15 Enclosed on 3 sides with no less than 2m in height or height of tallest container / stac of containers?	ck 🗸 🔲
4.16 Properly stored and locked in designated area with adequate ventilation?	
4.17 Storage area paved with concrete and kept clean and dry?	
4.18 Cover provided for outdoor storage area?	
4.19 Chemical waste collected by licensed collector?	
Liquid Waste Storage	
4.20 Storage area provided with permeation-proof floor or surface?	

### SITE INSPECTION CHECKLIST



4.21	Capacity of retention structure sufficient to accommodate contents of the largest	✓			
4.22	container or 20% volume of the material in storage?  Walls or partitions of stacked container storage area constructed of impermeable material?	<b>√</b>			
5. La	andfill Gas (LFG) (within LFG Consultation Zone)	N/A	Yes	No	Remarks
5.1	Alert workers and visitors of possible LFG hazards?		<b>✓</b>		
5.2	Smoking and open fires prohibited?		<b>√</b>		
6. O	<u>thers</u>	N/A	Yes	No	Remarks
6.1	Works confined within lot boundaries?		<b>√</b>		
6.2	Damage to surrounding areas avoided?		$\checkmark$		
6.3	Site lighting designed to avoid glare to surrounding receivers?	✓			
6.4	Materials and machinery stored in an orderly manner?		$\checkmark$		
6.5	Areas within lot for recycling activities paved with concrete?		<b>✓</b>		
6.6	Potential stagnant pools cleared and mosquito breeding prevented?		<b>✓</b>		
6.7	Valid calibration certificate for any monitoring equipment?	<b>√</b>			Not required
6.8	Valid licence(s) obtained for manufacture or storage of dangerous goods?	<b>√</b>			Not required
	a) Storage area in compliance with the approved plan?	✓			
	b) Storage area is securely locked?	<b>√</b>			
	c) Total storage capacity in compliance with relevant statutory requirement?	<b>√</b>			
	d) Proper labelling provided?	✓			
	e) Dangerous goods properly packaged?	✓			

### Remarks:

### New Observations

1) Oil stain was observed on the ground near perimeter drainage. The tenant should remove the oil stain to prevent it being flushed into stormwater drainage system through the perimeter drain.



(Observed on 24 October 2018)

### SITE INSPECTION CHECKLIST



**Signatures:** 

ET Representative:

Operator Representative:

Tenant Representative:

IEC Representative:

Name: Ronan CHAN

Date: 2018/10/24

Name

Date:

May Wu

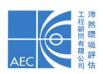
-8 NOV 2018

Date:

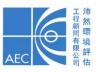
Name LEG HING TAK 12/11/18

Date: 2018/10/25

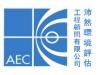
Name: Hazel CHEUNG



	Inspection Date:         2018/11/20         Time:         09:45           Lot Number:         T1         Tenant:         HP Telford	Inspected by:	Ronan CHAN
Wea	ther  Condition: Sunny ✓ Fine Overcast Drizzle  Temperature: 25 ℃ Humidity: High  Wind: ✓ Calm Light Breeze Strong	Rain  Moderate	Storm Hazy Low
1. G	enera <u>l</u>	N/A Yes	No Remarks
1.2 1.3 1.4	Environmental Permit (EP) for Tenant displayed at entrances/exits?  Environmental Policy documented?  Environmental Management Plan (EMP) kept up-to-date?  Emergency Response Plan (ERP) documented?  All recycling processes in operation have been approved by WRG of EPD?		EP for tenant is not required.  UPML's Environmental Policy is followed  UPML's EMP is followed  UPML's ERP is followed
1.6	Any record of complaint or prosecution?		<b>√</b>
2.1 2.2 2.3 2.4 2.5	Valid Effluent Discharge Licence available?  a) Sampling record available?  b) Monitoring frequency met the licence requirement?  c) Monitoring result comply with the licence requirement?  d) If exceedance is recorded, any follow-up action taken?  Provision of wastewater treatment facility (WTF) prior to discharge?  a) Adequate capacity?  b) Properly maintained and function normally?  Surface run-off control measures in place and adequately maintained?  Surface run-off discharging into drainage system?  All manholes covered?  Foam, oil, grease, debris, rubbish and other objectionable matters prevented from	N/A Yes	No Remarks No wastewater is generated from recycling process
2.7 2.8 2.9 2.10	entering nearby drains or sewer?  Storage of materials and equipment located away from water bodies?  Drainage system well maintained to prevent flooding or overflow?  Processes or activities with high risk of contamination located under covered area?  Installation of stop-logs in perimeter drainage system for uncovered areas where recovery process with potentially high level of contamination is carried out?		Recycling process has low risk of contamination Stop-logs are available for use by tenant if needed.
	Equipment oil and lubrication replacements performed only in bunded maintenance area?  Contaminated water collected in the surface drainage system is treated at water treatment facility or other appropriate treatment facility?		Replacement activity is not observed  No contaminated water was observed



2.13	Drainage from maintenance area discharged via oil interceptor?	$\checkmark$			Not required
	a) Oil and grease removed regularly?	✓			
	b) Collected by licensed collector?	✓			
	Follow Cargo Handling Guideline to minimise the chance of accidental spillage during loading and unloading adjacent to marine frontage?	<b>✓</b>			Not required
2.15	Bulk cargo and materials packed properly?		<b>✓</b>		
2.16	Temporary stockpiles covered during rainstorms?	✓			No dusty stockpile is observed
2.17	Measures to prevent the washing away of sand/silt to drains?	<b>√</b>			No sand/silt is generated from the recycling process
3. Air	r Quality	N/A	Yes	No	Remarks
3.1	Valid Specified Process (SP) Licence available for all specified process?	✓			Not required
	a) SP Licence conditions / monitoring requirements comply?	✓			
3.2	Operate without generation of noticeable odour?		<b>✓</b>		
	a) If odour is detected, can the source be identified?	✓			
	b) Odourous materials covered?	✓			
	c) If odour control system is installed, is it operating normally?	✓			
3.3	Dusty materials dampened prior to loading/unloading?	✓			No loading/unloading of dusty materials is observed
3.4	Dust monitoring record available?	✓			Not required
	a) Monitoring frequency met the licence requirement?	✓			
	b) Any exceedance?	✓			
	c) If exceedance is recorded, follow-up action taken?	✓			
	Dust-suppression measures provided where main dust-generating activities take place (i.e. enclosures or regular dampening)?		<b>✓</b>		
3.6	Open burning prohibited?		<b>√</b>		
3.7	Emission from chimney or powered plant free of black smoke?		<b>✓</b>		
3.8	Vehicles and equipment switched off while not in use?		<b>✓</b>		
	Obtained approval for installation/alteration of furnace, oven or chimney consuming over 25L liquid fuel/hour, or 35kg solid fuel/hour, or 1150MJ gaseous fuel/hour?	✓			Not required
	Obtained approval for the use of liquid fuel with a viscosity point of ignition >30 centistokes or an equivalent viscosity?	✓			Not required
3.11	Air pollution control system properly maintained and function normally?	✓			
	Dust collected by any air pollution control equipment installed by tenants tested to ensure compliance for landfill disposal?	✓			
	a) Obtained approval for the use of controlled refrigerant?	✓			
	b) If yes, record of refrigeration equipment service available?	✓			
3.13	Only ultra-low sulphur diesel is used for activities requiring liquid fuel?	✓			
3.14	Public road around site entrance kept clean and free from dust?		<b>√</b>		
3.15	Materials transported on trucks covered?	✓			Not observed



3.16 Truck loads to a level within the side and tail boards?	✓	Not observed
3.17 Stockpiles of dusty materials covered or regularly watered?	✓	No stockpile of dusty material is observed
3.18 Major dust source(s): Wind erosion Vel	hicle/equipment move	ment
Loading/unloading of materials	ners: Material tran	nsfer
4. Waste / Chemical Management		
General	N/A Yes No	Remarks
4.1 Registered as chemical waste producer?		No chemical waste is observed
4.2 Sufficient receptacles (e.g. rubbish bins) available?		]
4.3 Disposed of regularly and properly?		]
4.4 Sorting of materials on-site for reuse or disposal to designated outlet?		]
4.5 Records of quantities of waste generated, recycled and disposed properly kept?		Verified via quarterly report
4.6 Collection of sludge by licensed collector at regular intervals?		]
Packaging of Chemical Waste		
4.7 Stored in suitable container?		]
4.8 Container properly closed or sealed?	<b>✓</b> □ □	]
4.9 Spillage cleaned up immediately through the use of absorbent?		]
4.10 Obtained approval for the use of chemical waste container >450L?		]
Labelling of Chemical Waste		
4.11 Provision of chemical waste label?		]
a) Label is securely attached and visible?		]
b) Label is bilingual and in proper dimension?	<b>✓</b> □ □	]
c) Information is accurate and sufficient?		]
Storage of Chemical Waste		
4.12 Proper "Chemical Waste" sign displayed?	✓ <u> </u>	]
4.13 Incompatible wastes separated by impermeable partition?		]
4.14 Containers kept in cabinet or receptacle of suitable material (if quantity <50L), or provided with drip trays capable of storing 110% of the volume of the largest container (if quantity >50L)?	<b>Y</b>	]
4.15 Enclosed on 3 sides with no less than 2m in height or height of tallest container / stack of containers?	<b>/</b>	]
4.16 Properly stored and locked in designated area with adequate ventilation?	✓ <u> </u>	]
4.17 Storage area paved with concrete and kept clean and dry?	<b>√</b>	]
4.18 Cover provided for outdoor storage area?	<b>√</b>	]
4.19 Chemical waste collected by licensed collector?	<b>√</b>	]
Liquid Waste Storage		
4.20 Storage area provided with permeation-proof floor or surface?	<b>√</b> □ □	]
4.21 Capacity of retention structure sufficient to accommodate contents of the largest container or 20% volume of the material in storage?	<b>Y</b>	]

### SITE INSPECTION CHECKLIST



4.22 V	Walls or partitions of stacked container storage area constructed of impermeable material?		
5.1	Alert workers and visitors of possible LFG hazards? Smoking and open fires prohibited?	N/A Yes No	Remarks
6. Oth	ner <u>s</u>	N/A Yes No	Remarks
6.1 V	Works confined within lot boundaries?		
6.2 I	Damage to surrounding areas avoided?		
6.3	Site lighting designed to avoid glare to surrounding receivers?		
6.4 I	Materials and machinery stored in an orderly manner?		
6.5	Areas within lot for recycling activities paved with concrete?		
6.6 I	Potential stagnant pools cleared and mosquito breeding prevented?		
6.7 <b>Y</b>	Valid calibration certificate for any monitoring equipment?	<b>✓</b> □ □	Not required
6.8	Valid licence(s) obtained for manufacture or storage of dangerous goods?		Not required
8	a) Storage area in compliance with the approved plan?	✓ □ □	
ł	b) Storage area is securely locked?		
C	e) Total storage capacity in compliance with relevant statutory requirement?	✓ □ □	
(	d) Proper labelling provided?	✓ □ □	
6	e) Dangerous goods properly packaged?	✓	

### Remarks:

### Follow-up from Previous Audits

1) The tenant had removed the oil stain near the perimeter drain.

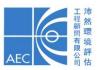


(Observed on 24 October 2018)



(Observed on 21 November 2018)

### SITE INSPECTION CHECKLIST



### New Observations

· No major environmental deficiency was observed.

**Signatures:** 

ET Representative:

[ / ]

Name Ronan CHAN

Date: 2018/11/20

Operator Representative:

Name:

May Wu

Date:

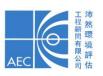
2 8 NOV 2018

Tenant Representative:

IEC Representative:

LEE Hing Tak. Name: Glad Kan

: 29-11-18 Date: 2019- Nov-2



	Inspection Date:         2018/12/13         Time:         10:00           Lot Number:         T1         Tenant:         HP Telford	Inspected by:	Ronan	CHAN
<u>Wea</u>	Condition: Sunny ✓ Fine Overcast Drizzle   Temperature: 15 ℃ Humidity: High   Wind: Calm ✓ Light Breeze Strong	Rain  Moderate	=	Storm Hazy Low
1. G	<u>eneral</u>	N/A Yes	No	Remarks
1.2 1.3 1.4 1.5	Environmental Permit (EP) for Tenant displayed at entrances/exits?  Environmental Policy documented?  Environmental Management Plan (EMP) kept up-to-date?  Emergency Response Plan (ERP) documented?  All recycling processes in operation have been approved by WRG of EPD?  Any record of complaint or prosecution?			EP for tenant is not required.  UPML's Environmental Policy is followed  UPML's EMP is followed  UPML's ERP is followed
2. W	ater Quality	N/A Yes	No	Remarks No wastewater is generated
2.1	Valid Effluent Discharge Licence available?  a) Sampling record available?  b) Monitoring frequency met the licence requirement?  c) Monitoring result comply with the licence requirement?  d) If exceedance is recorded, any follow-up action taken?			from recycling process
	Provision of wastewater treatment facility (WTF) prior to discharge?  a) Adequate capacity?  b) Properly maintained and function normally?			
<ul><li>2.3</li><li>2.4</li><li>2.5</li><li>2.6</li></ul>	Surface run-off control measures in place and adequately maintained?  Surface run-off discharging into drainage system?  All manholes covered?  Foam, oil, grease, debris, rubbish and other objectionable matters prevented from entering nearby drains or sewer?			
2.7 2.8 2.9 2.10	Storage of materials and equipment located away from water bodies?  Drainage system well maintained to prevent flooding or overflow?  Processes or activities with high risk of contamination located under covered area?  Installation of stop-logs in perimeter drainage system for uncovered areas where recovery			Recycling process has low risk of contamination Stop-logs are available for use by tenant if needed.
	process with potentially high level of contamination is carried out?  Equipment oil and lubrication replacements performed only in bunded maintenance area?  Contaminated water collected in the surface drainage system is treated at water treatment facility or other appropriate treatment facility?	✓ <u> </u>		Replacement activity is not observed  No contaminated water was observed



2.13	Drainage from maintenance area discharged via oil interceptor?	✓ □ □	Not required
	a) Oil and grease removed regularly?	<b>✓</b> □ □	
	b) Collected by licensed collector?	<b>✓</b> □ □	
2.14	Follow Cargo Handling Guideline to minimise the chance of accidental spillage during loading and unloading adjacent to marine frontage?	<u> </u>	Not required
2.15	Bulk cargo and materials packed properly?		
2.16	Temporary stockpiles covered during rainstorms?	✓ <u> </u>	No dusty stockpile is observed
2.17	Measures to prevent the washing away of sand/silt to drains?	✓	No sand/silt is generated from the recycling process
3. Ai	r Quality	N/A Yes No	Remarks
3.1	Valid Specified Process (SP) Licence available for all specified process?		Not required
	a) SP Licence conditions / monitoring requirements comply?	✓ □ □	
3.2	Operate without generation of noticeable odour?		
	a) If odour is detected, can the source be identified?	✓ □ □	
	b) Odourous materials covered?	<b>✓</b> □ □	
	c) If odour control system is installed, is it operating normally?	<b>✓</b> □ □	
3.3	Dusty materials dampened prior to loading/unloading?	<b>✓</b> □ □	No loading/unloading of dusty materials is observed
3.4	Dust monitoring record available?	✓ <u> </u>	Not required
	a) Monitoring frequency met the licence requirement?	<b>✓</b> □ □	
	b) Any exceedance?	<b>✓</b> □ □	
	c) If exceedance is recorded, follow-up action taken?	<b>✓</b> □ □	
3.5	Dust-suppression measures provided where main dust-generating activities take place (i.e. enclosures or regular dampening)?		
3.6	Open burning prohibited?		
3.7	Emission from chimney or powered plant free of black smoke?		
3.8	Vehicles and equipment switched off while not in use?		-
3.9	Obtained approval for installation/alteration of furnace, oven or chimney consuming over 25L liquid fuel/hour, or 35kg solid fuel/hour, or 1150MJ gaseous fuel/hour?	<b>/</b>	Not required
3.10	Obtained approval for the use of liquid fuel with a viscosity point of ignition >30 centistokes or an equivalent viscosity?		Not required
3.11	Air pollution control system properly maintained and function normally?	<b>✓</b> □ □	
3.12	Dust collected by any air pollution control equipment installed by tenants tested to ensure compliance for landfill disposal?		
	a) Obtained approval for the use of controlled refrigerant?	<b>✓</b> □ □	-
	b) If yes, record of refrigeration equipment service available?		
3.13	Only ultra-low sulphur diesel is used for activities requiring liquid fuel?		
3.14	Public road around site entrance kept clean and free from dust?		
3.15	Materials transported on trucks covered?		Not observed



3.16 Truck loads to a level within the side and tail boards?  3.17 Stockpiles of dusty materials covered or regularly watered?  3.18 Major dust source(s): Wind erosion  Loading/unloading of materials	✓
4. Waste / Chemical Management	
<u>General</u>	N/A Yes No Remarks
4.1 Registered as chemical waste producer?	No chemical waste is observed
4.2 Sufficient receptacles (e.g. rubbish bins) available?	
4.3 Disposed of regularly and properly?	
4.4 Sorting of materials on-site for reuse or disposal to designated outlet?	
4.5 Records of quantities of waste generated, recycled and disposed properly kept?	✓ Verified via quarterly report
4.6 Collection of sludge by licensed collector at regular intervals?	
Packaging of Chemical Waste	
4.7 Stored in suitable container?	
4.8 Container properly closed or sealed?	
4.9 Spillage cleaned up immediately through the use of absorbent?	
4.10 Obtained approval for the use of chemical waste container >450L?	
<u>Labelling of Chemical Waste</u>	
4.11 Provision of chemical waste label?	
a) Label is securely attached and visible?	
b) Label is bilingual and in proper dimension?	
c) Information is accurate and sufficient?	
Storage of Chemical Waste	
4.12 Proper "Chemical Waste" sign displayed?	
4.13 Incompatible wastes separated by impermeable partition?	
4.14 Containers kept in cabinet or receptacle of suitable material (if quantity <50L), or provided with drip trays capable of storing 110% of the volume of the largest containe	er (if quantity >50L)?
4.15 Enclosed on 3 sides with no less than 2m in height or height of tallest container / stack of containers?	k 🗸 🗀 🔝
4.16 Properly stored and locked in designated area with adequate ventilation?	
4.17 Storage area paved with concrete and kept clean and dry?	
4.18 Cover provided for outdoor storage area?	
4.19 Chemical waste collected by licensed collector?	
Liquid Waste Storage	
4.20 Storage area provided with permeation-proof floor or surface?	
4.21 Capacity of retention structure sufficient to accommodate contents of the largest container or 20% volume of the material in storage?	

### SITE INSPECTION CHECKLIST



4.22	Walls or partitions of stacked container storage area constructed of impermeable material?		
<u>5. La</u>	andfill Gas (LFG) (within LFG Consultation Zone)	N/A Yes No	Remarks
5.1	Alert workers and visitors of possible LFG hazards?		
5.2	Smoking and open fires prohibited?		
<u>6. O</u> 1	<u>thers</u>	N/A Yes No	Remarks
6.1	Works confined within lot boundaries?		
6.2	Damage to surrounding areas avoided?		
6.3	Site lighting designed to avoid glare to surrounding receivers?	✓ □ □	
6.4	Materials and machinery stored in an orderly manner?		
6.5	Areas within lot for recycling activities paved with concrete?		
6.6	Potential stagnant pools cleared and mosquito breeding prevented?		
6.7	Valid calibration certificate for any monitoring equipment?	✓	Not required
6.8	Valid licence(s) obtained for manufacture or storage of dangerous goods?	✓ □ □	Not required
	a) Storage area in compliance with the approved plan?	✓	_
	b) Storage area is securely locked?	✓ □ □	
	c) Total storage capacity in compliance with relevant statutory requirement?	✓	_
	d) Proper labelling provided?	✓	
	e) Dangerous goods properly packaged?	✓ □ □	

### New Observations

· No major environmental deficiency was observed.

Signatures:

ET Representative:

Name: Ronan CHAN

Date: 2018/12/13

Operator Representative:

Name:

May Wu

Date: 24-12-

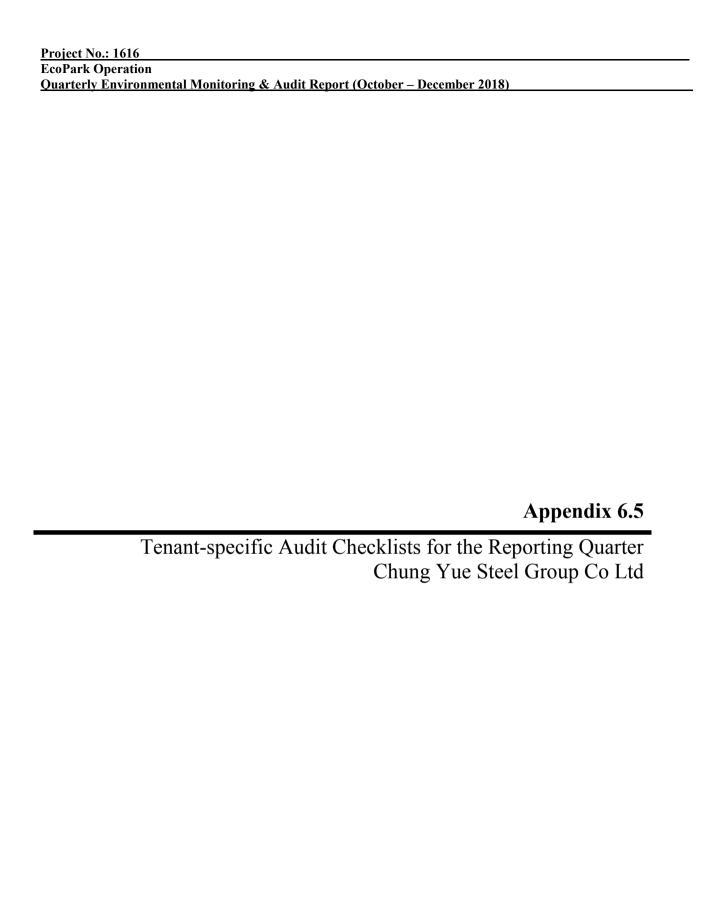
Tenant Representative:

Date: 27-12-201

IEC Representative:

Jame: Gerald Kan

Date: 24-Dep - 2018



Issue 1\_\_\_\_\_AEC



	Inspection Date: 2018/10/24 Time: 12:00  Lot Number: P13 Tenant: Chung Yue	Inspected by		n CHAN I TSANG
Weat	cher			
	Condition: Sunny Fine ✓ Overcast Drizzle   Temperature: 26 °C Humidity: High ✓   Wind: ✓ Calm Light Breeze Strong	Rain Moderate		Storm Hazy Low
<u>1. Ge</u>	neral_	N/A Yes	No	Remarks
1.1	Environmental Permit (EP) for Tenant displayed at entrances/exits?	<b>✓</b>		EP for tenant is not required
1.2	Environmental Policy documented?	<b>✓</b>		UPML's Environmental Policy is followed
1.3	Environmental Management Plan (EMP) kept up-to-date?	<b>✓</b>		UPML's EMP is followed
1.4	Emergency Response Plan (ERP) documented?	<b>✓</b>		UPML's ERP is followed
	(a) Drill or training records available?	<b>✓</b>		Subject to tenant's provision
1.5	All recycling processes in operation have been approved by WFBU?			
1.6	Any record of complaint or prosecution?		<b>√</b>	
2. Wa	ater Quality	N/A Yes	No	Remarks  No wastewater is generated
2.1	Valid Effluent Discharge Licence available?	<b>√</b>		from recycling process
	a) Sampling record available?	<b>√</b>		
	b) Monitoring frequency met the licence requirement?	✓		
	c) Monitoring result comply with the licence requirement?	<b>√</b>		
	d) If exceedance is recorded, any follow-up action taken?	<b>√</b>		
2.2	Provision of wastewater treatment facility (WTF) prior to discharge?	<b>✓</b>		
	a) Adequate capacity?	<b>✓</b>		
	b) Properly maintained and function normally?	<b>√</b>		
2.3	Surface run-off control measures in place and adequately maintained?	<b>✓</b>		
2.4	Surface run-off discharging into drainage system?	✓		
2.5	All manholes covered?	<b>✓</b>		
2.6	Foam, oil, grease, debris, rubbish and other objectionable matters prevented from entering nearby drains or sewer?	<b>✓</b>		
2.7	Storage of materials and equipment located away from water bodies?	<b>✓</b>		
2.8	Drainage system well maintained to prevent flooding or overflow?			Recycling process has low
2.9	Processes or activities with high risk of contamination located under covered area?	<b>√</b>		risk of contamination Stop-logs are available for
2.10	Installation of stop-logs in perimeter drainage system for uncovered areas where recovery process with potentially high level of contamination is carried out?	<b>✓</b>		use by tenant if needed
2.11	Equipment oil and lubrication replacements performed only in bunded maintenance area?	<b>√</b>		Replacement activity is not observed



2.12	Contaminated water collected in the surface drainage system is treated at water treatment facility or other appropriate treatment facility?	✓			No contaminated water is observed
2.13	Drainage from maintenance area discharged via oil interceptor?	✓			Not required
	a) Oil and grease removed regularly?	✓			Not required
	b) Collected by licensed collector?	✓			Not required
2.14	Follow Cargo Handling Guideline to minimise the chance of accidental spillage during loading and unloading adjacent to marine frontage?		<b>√</b>		
2.15	Bulk cargo and materials packed properly?		✓		
2.16	Temporary stockpiles covered during rainstorms?	✓			No dusty stockpile is observed
2.17	Measures to prevent the washing away of sand/silt to drains?	<b>√</b>			No sand/silt is generated from the recycling process
3. Ai	r Quality	N/A	Yes	No	Remarks
3.1	Valid Specified Process (SP) Licence available for all specified process?	✓			Not required
	a) SP Licence conditions / monitoring requirements comply?	✓			
3.2	Operate without generation of noticeable odour?		✓		
	a) If odour is detected, can the source be identified?	✓			
	b) Odourous materials covered?	✓			
	c) If odour control system is installed, is it operating normally?	✓			
3.3	Dusty materials dampened prior to loading/unloading?		✓		
3.4	Dust monitoring record available?	✓			Not required
	a) Monitoring frequency met the licence requirement?	✓			
	b) Any exceedance?	<b>√</b>			
	c) If exceedance is recorded, follow-up action taken?	✓			
3.5	Dust-suppression measures provided where main dust-generating activities take place (i.e. enclosures or regular dampening)?		✓		
3.6	Open burning prohibited?		✓		
3.7	Emission from chimney or powered plant free of black smoke?		✓		
3.8	Vehicles and equipment switched off while not in use?		✓		
3.9	Obtained approval for installation/alteration of furnace, oven or chimney consuming over 25L liquid fuel/hour, or 35kg solid fuel/hour, or 1150MJ gaseous fuel/hour?	<b>√</b>			Not required
3.10	Obtained approval for the use of liquid fuel with a viscosity point of ignition >30 centistokes or an equivalent viscosity?	<b>✓</b>			Not required
3.11	Air pollution control system properly maintained and function normally?	✓			Not required
3.12	Dust collected by any air pollution control equipment installed by tenants tested to ensure compliance for landfill disposal?	<b>√</b>			
	a) Obtained approval for the use of controlled refrigerant?	✓			_
	b) If yes, record of refrigeration equipment service available?	✓			_
3.13	Only ultra-low sulphur diesel is used for activities requiring liquid fuel?	<b>√</b>			_
3.14	Public road around site entrance kept clean and free from dust?		✓		



3.15	Materials transported on trucks covered?	<b>✓</b>	Not observed	
3.16	Truck loads to a level within the side and tail boards?	<b>_</b>	Not observed	
3.17	Stockpiles of dusty materials covered or regularly watered?	<b>✓</b>	No dusty material is observed	
3.18	Major dust source(s): Wind erosion	Vehicle/equipmer	nt movement	
	✓ Loading/unloading of materials	Others: n/a		
4. W	aste / Chemical Management			
Gene	r <u>al</u>	N/A Yes	No Remarks No chemical waste is	
4.1	Registered as chemical waste producer?	<u> </u>	generated during recycling	
4.2	Sufficient receptacles (e.g. rubbish bins) available?			
4.3	Disposed of regularly and properly?			
4.4	Sorting of materials on-site for reuse or disposal to designated outlet?		Verified via quarterly	
4.5	Records of quantities of waste generated, recycled and disposed properly kept?		report	
4.6	Collection of sludge by licensed collector at regular intervals?	<b>✓</b>	Not required	
Packa	aging of Chemical Waste			
4.7	Stored in suitable container?	<b>✓</b>		
4.8	Container properly closed or sealed?	<b>✓</b>		
4.9	Spillage cleaned up immediately through the use of absorbent?	<b>✓</b>		
4.10	Obtained approval for the use of chemical waste container >450L?	<b>✓</b>		
Labe	ling of Chemical Waste			
4.11	Provision of chemical waste label?	<b>✓</b>		
	a) Label is securely attached and visible?	<b>✓</b>		
	b) Label is bilingual and in proper dimension?	<b>V</b>		
	c) Information is accurate and sufficient?	<b>V</b>		
Stora	ge of Chemical Waste		•	
4.12	Proper "Chemical Waste" sign displayed?	<b>✓</b>		
4.13	Incompatible wastes separated by impermeable partition?	<b>✓</b>		
4.14	Containers kept in cabinet or receptacle of suitable material (if quantity <50L), or with drip trays capable of storing 110% of the volume of the largest container (if of	• — —		
4.15	Enclosed on 3 sides with no less than 2m in height or height of tallest container / of containers?	stack		
4.16	Properly stored and locked in designated area with adequate ventilation?	<b>V</b>		
4.17	Storage area paved with concrete and kept clean and dry?	<b>✓</b>		
4.18	Cover provided for outdoor storage area?	<b>✓</b>		
4.19	Chemical waste collected by licensed collector?	<b>V</b>		
Liquid Waste Storage				
4.20	Storage area provided with permeation-proof floor or surface?			

### SITE INSPECTION CHECKLIST



4.21	Capacity of retention structure sufficient to accommodate contents of the largest	
4 22	container or 20% volume of the material in storage?  Walls or partitions of stacked container storage area constructed of impermeable in the storage area.	matorial?
4.22	wans of partitions of stacked container storage area constructed of impermeable	material?
<u>5. La</u>	andfill Gas (LFG) (within LFG Consultation Zone)	N/A Yes No Remarks
5.1	Alert workers and visitors of possible LFG hazards?	Outside LFG consultation zone
5.2	Smoking and open fires prohibited?	
6. Ot	<u>thers</u>	N/A Yes No Remarks
6.1	Works confined within lot boundaries?	
6.2	Damage to surrounding areas avoided?	
6.3	Site lighting designed to avoid glare to surrounding receivers?	
6.4	Materials and machinery stored in an orderly manner?	
6.5	Areas within lot for recycling activities paved with concrete?	
6.6	Potential stagnant pools cleared and mosquito breeding prevented?	
6.7	Valid calibration certificate for any monitoring equipment?	✓ Not required
6.8	Valid licence(s) obtained for manufacture or storage of dangerous goods?	✓ Not required
	a) Storage area in compliance with the approved plan?	
	b) Storage area is securely locked?	
	c) Total storage capacity in compliance with relevant statutory requirement?	
	d) Proper labelling provided?	
	e) Dangerous goods properly packaged?	
	e, Bungerous goods property puenaged.	
Rema	arks:	
New	Observations	
	No major environmental deficiency was observed.	
Signa	atures:	
	epresentative: Operator Representative: Tenant Rep	resentative: IEC Representative:
	A NO S	
Name:	: Ronan CHAN Name: May Wu Name	Name:

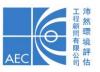
Date:

Date: 2018/10/24

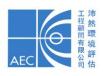
Date: - 8 NOV 2018



	Inspection Date:         2018/11/20         Time:         11:50           Lot Number:         P13         Tenant:         Chung Yue	Inspected by:	Ronan CHAN
Wea	ther  Condition: Sunny ✓ Fine Overcast Drizzle  Temperature: 25 ℃ Humidity: High  Wind: ✓ Calm Light Breeze Strong	Rain  Moderate	Storm Hazy Low
1. G	eneral_	N/A Yes	No Remarks
1.2 1.3	Environmental Permit (EP) for Tenant displayed at entrances/exits?  Environmental Policy documented?  Environmental Management Plan (EMP) kept up-to-date?		EP for tenant is not required UPML's Environmental Policy is followed  UPML's EMP is followed
1.5	Emergency Response Plan (ERP) documented?  All recycling processes in operation have been approved by WRG of EPD?  Any record of complaint or prosecution?		UPML's ERP is followed
2. W	ater Quality	N/A Yes	No Remarks
2.1	Valid Effluent Discharge Licence available?  a) Sampling record available?  b) Monitoring frequency met the licence requirement?  c) Monitoring result comply with the licence requirement?  d) If exceedance is recorded, any follow-up action taken?		No wastewater is discharged from recycling process
	Provision of wastewater treatment facility (WTF) prior to discharge?  a) Adequate capacity?  b) Properly maintained and function normally?  Surface run-off control measures in place and adequately maintained?		
<ul><li>2.3</li><li>2.4</li><li>2.5</li><li>2.6</li></ul>	Surface run-off discharging into drainage system?  All manholes covered?  Foam, oil, grease, debris, rubbish and other objectionable matters prevented from		
	entering nearby drains or sewer?  Storage of materials and equipment located away from water bodies?  Drainage system well maintained to prevent flooding or overflow?  Processes or activities with high risk of contamination located under covered area?		Recycling process has low risk of contamination Stop-logs are available for use
2.11	Installation of stop-logs in perimeter drainage system for uncovered areas where recovery process with potentially high level of contamination is carried out?  Equipment oil and lubrication replacements performed only in bunded maintenance area?  Contaminated water collected in the surface drainage system is treated at water treatment facility or other appropriate treatment facility?	✓	Replacement activity is not observed  No contaminated water is observed



2.13 Drainage from maintenance area discharged via oil interceptor?	✓ Not required
a) Oil and grease removed regularly?	
b) Collected by licensed collector?	
2.14 Follow Cargo Handling Guideline to minimise the chance of accidental spillage during loading and unloading adjacent to marine frontage?	
2.15 Bulk cargo and materials packed properly?	
2.16 Temporary stockpiles covered during rainstorms?	No dusty stockpile is observed
2.17 Measures to prevent the washing away of sand/silt to drains?	No sand/silt is generated from the recycling process
3. Air Quality	N/A Yes No Remarks
3.1 Valid Specified Process (SP) Licence available for all specified process?	✓ Not required
a) SP Licence conditions / monitoring requirements comply?	
3.2 Operate without generation of noticeable odour?	
a) If odour is detected, can the source be identified?	
b) Odourous materials covered?	
c) If odour control system is installed, is it operating normally?	
3.3 Dusty materials dampened prior to loading/unloading?	
3.4 Dust monitoring record available?	✓ Not required
a) Monitoring frequency met the licence requirement?	
b) Any exceedance?	
c) If exceedance is recorded, follow-up action taken?	
3.5 Dust-suppression measures provided where main dust-generating activities take place (i.e. enclosures or regular dampening)?	
3.6 Open burning prohibited?	
3.7 Emission from chimney or powered plant free of black smoke?	
3.8 Vehicles and equipment switched off while not in use?	
3.9 Obtained approval for installation/alteration of furnace, oven or chimney consuming over 25L liquid fuel/hour, or 35kg solid fuel/hour, or 1150MJ gaseous fuel/hour?	Not required
3.10 Obtained approval for the use of liquid fuel with a viscosity point of ignition >30 centistokes or an equivalent viscosity?	Not required
3.11 Air pollution control system properly maintained and function normally?	✓ Not required
3.12 Dust collected by any air pollution control equipment installed by tenants tested to ensure compliance for landfill disposal?	
a) Obtained approval for the use of controlled refrigerant?	
b) If yes, record of refrigeration equipment service available?	
3.13 Only ultra-low sulphur diesel is used for activities requiring liquid fuel?	✓
3.14 Public road around site entrance kept clean and free from dust?	
3.15 Materials transported on trucks covered?	✓ Not observed



3.16 Truck loads to a level within the side and tail boards?	✓ Not observed			
3.17 Stockpiles of dusty materials covered or regularly watered?	No dusty material is observed			
	Vehicle/equipment movement			
	Others: n/a			
4. Waste / Chemical Management				
<u>General</u>	N/A Yes No Remarks			
4.1 Registered as chemical waste producer?	No chemical waste is generated during recycling			
4.2 Sufficient receptacles (e.g. rubbish bins) available?				
4.3 Disposed of regularly and properly?				
4.4 Sorting of materials on-site for reuse or disposal to designated outlet?				
4.5 Records of quantities of waste generated, recycled and disposed properly kept?	✓ Verified via quarterly report			
4.6 Collection of sludge by licensed collector at regular intervals?	✓ Not required			
Packaging of Chemical Waste				
4.7 Stored in suitable container?				
4.8 Container properly closed or sealed?				
4.9 Spillage cleaned up immediately through the use of absorbent?				
4.10 Obtained approval for the use of chemical waste container >450L?				
Labelling of Chemical Waste				
4.11 Provision of chemical waste label?				
a) Label is securely attached and visible?				
b) Label is bilingual and in proper dimension?				
c) Information is accurate and sufficient?				
Storage of Chemical Waste				
4.12 Proper "Chemical Waste" sign displayed?				
4.13 Incompatible wastes separated by impermeable partition?				
4.14 Containers kept in cabinet or receptacle of suitable material (if quantity <50L), or provided with drip trays capable of storing 110% of the volume of the largest container (if quantity >50L)				
4.15 Enclosed on 3 sides with no less than 2m in height or height of tallest container / stack of containers?				
4.16 Properly stored and locked in designated area with adequate ventilation?				
4.17 Storage area paved with concrete and kept clean and dry?				
4.18 Cover provided for outdoor storage area?				
4.19 Chemical waste collected by licensed collector?				
Liquid Waste Storage				
4.20 Storage area provided with permeation-proof floor or surface?				
4.21 Capacity of retention structure sufficient to accommodate contents of the largest container or 20% volume of the material in storage?				

### **SITE INSPECTION CHECKLIST**



4.22 Walls or partitions of stacked container storage area constructed of impermeable n	naterial?
<ul> <li>5. Landfill Gas (LFG) (within LFG Consultation Zone)</li> <li>5.1 Alert workers and visitors of possible LFG hazards?</li> <li>5.2 Smoking and open fires prohibited?</li> </ul>	N/A Yes No Remarks Outside LFG consultation zone
	N/A W N D I
6. Others 6.1 Works confined within lot boundaries?	N/A Yes No Remarks
<ul><li>6.2 Damage to surrounding areas avoided?</li><li>6.3 Site lighting designed to avoid glare to surrounding receivers?</li></ul>	
<ul><li>6.4 Materials and machinery stored in an orderly manner?</li><li>6.5 Areas within lot for recycling activities paved with concrete?</li></ul>	
<ul><li>6.6 Potential stagnant pools cleared and mosquito breeding prevented?</li><li>6.7 Valid calibration certificate for any monitoring equipment?</li></ul>	Not required
<ul><li>6.8 Valid licence(s) obtained for manufacture or storage of dangerous goods?</li><li>a) Storage area in compliance with the approved plan?</li></ul>	Not required
<ul><li>b) Storage area is securely locked?</li><li>c) Total storage capacity in compliance with relevant statutory requirement?</li></ul>	
<ul><li>d) Proper labelling provided?</li><li>e) Dangerous goods properly packaged?</li></ul>	

### Remarks:

### New Observations

• No major environmental deficiency was observed.

**Signatures:** 

ET Representative:

Name Ronan CHAN

Date: 2018/11/20

Operator Representative:

Name: May Wu

Date:

2 8 NOV 2018

Tenant Representative:

Vame:

Pate: 91

IEC Representative:

Name: Herald Kan

Date: 2618-NW-27



	Inspection Date:         2018/12/13         Time:         12:05           Lot Number:         P13         Tenant:         Chung Yue	Inspected by:	Ronan	CHAN
<u>Wea</u>	ther   Condition: Sunny ✓ Fine Overcast Drizzle   Temperature: 15 ℃ Humidity: High   Wind: Calm ✓ Light Breeze Strong	Rain  Moderate	=	Storm Hazy Low
1. G	<u>eneral</u>	N/A Yes	No	Remarks
1.2 1.3 1.4 1.5	Environmental Permit (EP) for Tenant displayed at entrances/exits?  Environmental Policy documented?  Environmental Management Plan (EMP) kept up-to-date?  Emergency Response Plan (ERP) documented?  All recycling processes in operation have been approved by WRG of EPD?  Any record of complaint or prosecution?			EP for tenant is not required UPML's Environmental Policy is followed  UPML's EMP is followed  UPML's ERP is followed
2. W	ater Quality	N/A Yes	No	Remarks
2.1	Valid Effluent Discharge Licence available?  a) Sampling record available?  b) Monitoring frequency met the licence requirement?  c) Monitoring result comply with the licence requirement?  d) If exceedance is recorded, any follow-up action taken?			No wastewater is discharged from recycling process
	Provision of wastewater treatment facility (WTF) prior to discharge?  a) Adequate capacity?  b) Properly maintained and function normally?	Y Y Y D		
<ul><li>2.3</li><li>2.4</li><li>2.5</li><li>2.6</li></ul>	Surface run-off control measures in place and adequately maintained?  Surface run-off discharging into drainage system?  All manholes covered?  Foam, oil, grease, debris, rubbish and other objectionable matters prevented from entering nearby drains or sewer?			
2.7 2.8 2.9 2.10	Storage of materials and equipment located away from water bodies?  Drainage system well maintained to prevent flooding or overflow?  Processes or activities with high risk of contamination located under covered area?  Installation of stop-logs in perimeter drainage system for uncovered areas where recovery			Recycling process has low risk of contamination Stop-logs are available for use by tenant if needed
	process with potentially high level of contamination is carried out?  Equipment oil and lubrication replacements performed only in bunded maintenance area?  Contaminated water collected in the surface drainage system is treated at water treatment facility or other appropriate treatment facility?	V		Replacement activity is not observed  No contaminated water is observed



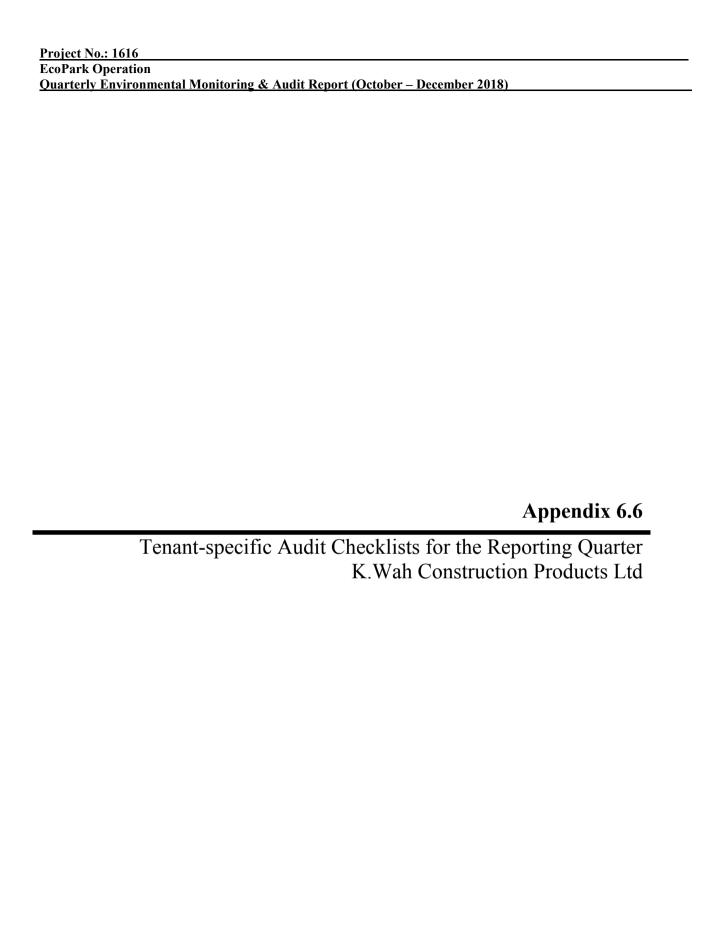
2.13	Drainage from maintenance area discharged via oil interceptor?		Not required
	a) Oil and grease removed regularly?		
	b) Collected by licensed collector?	✓ <u> </u>	
2.14	Follow Cargo Handling Guideline to minimise the chance of accidental spillage during loading and unloading adjacent to marine frontage?		
2.15	Bulk cargo and materials packed properly?		
2.16	Temporary stockpiles covered during rainstorms?	✓	No dusty stockpile is observed
2.17	Measures to prevent the washing away of sand/silt to drains?		No sand/silt is generated from the recycling process
3. Ai	r Quality	N/A Yes No	Remarks
3.1	Valid Specified Process (SP) Licence available for all specified process?		Not required
	a) SP Licence conditions / monitoring requirements comply?		
3.2	Operate without generation of noticeable odour?		
	a) If odour is detected, can the source be identified?		
	b) Odourous materials covered?		
	c) If odour control system is installed, is it operating normally?		
3.3	Dusty materials dampened prior to loading/unloading?		
3.4	Dust monitoring record available?		Not required
	a) Monitoring frequency met the licence requirement?		
	b) Any exceedance?		
	c) If exceedance is recorded, follow-up action taken?		
3.5	Dust-suppression measures provided where main dust-generating activities take place (i.e. enclosures or regular dampening)?		
3.6	Open burning prohibited?		
3.7	Emission from chimney or powered plant free of black smoke?		
3.8	Vehicles and equipment switched off while not in use?		
3.9	Obtained approval for installation/alteration of furnace, oven or chimney consuming over 25L liquid fuel/hour, or 35kg solid fuel/hour, or 1150MJ gaseous fuel/hour?		Not required
3.10	Obtained approval for the use of liquid fuel with a viscosity point of ignition >30 centistokes or an equivalent viscosity?		Not required
3.11	Air pollution control system properly maintained and function normally?		Not required
3.12	Dust collected by any air pollution control equipment installed by tenants tested to ensure compliance for landfill disposal?		
	a) Obtained approval for the use of controlled refrigerant?		
	b) If yes, record of refrigeration equipment service available?	✓ □ □	
3.13	Only ultra-low sulphur diesel is used for activities requiring liquid fuel?	✓ <u> </u>	
3.14	Public road around site entrance kept clean and free from dust?		
3.15	Materials transported on trucks covered?		Not observed



3.16 Truck loads to a level w	rithin the side and tail boards?		Not observed
3.17 Stockpiles of dusty mate	erials covered or regularly watered?		No dusty material is observed
3.18 Major dust source(s):	Wind erosion	Vehicle/equipment movement	ent
.,	✓ Loading/unloading of materials	Others: n/a	
4. Waste / Chemical Manag	<u>ement</u>		
General		N/A Yes No	Remarks
4.1 Registered as chemical	waste producer?	✓	No chemical waste is generated during recycling
4.2 Sufficient receptacles (e	e.g. rubbish bins) available?	✓	
4.3 Disposed of regularly a	nd properly?	✓	
4.4 Sorting of materials on-	site for reuse or disposal to designated outlet?	✓	-
4.5 Records of quantities of	waste generated, recycled and disposed properly kept?	✓	Verified via quarterly report
4.6 Collection of sludge by	licensed collector at regular intervals?	✓	Not required
Packaging of Chemical Waste	2		
4.7 Stored in suitable contact	iner?	✓	-
4.8 Container properly close	ed or sealed?	✓	
4.9 Spillage cleaned up imm	nediately through the use of absorbent?		
4.10 Obtained approval for the	he use of chemical waste container >450L?	✓	
Labelling of Chemical Waste			
4.11 Provision of chemical w	vaste label?	✓	
a) Label is securely atta	ched and visible?	<b>/</b>	
b) Label is bilingual and	d in proper dimension?	<b>✓</b> □	
c) Information is accura	te and sufficient?	✓	
Storage of Chemical Waste			
4.12 Proper "Chemical Waste	e" sign displayed?	<b>✓</b>	
4.13 Incompatible wastes sep	parated by impermeable partition?	✓	
	net or receptacle of suitable material (if quantity <50L), or a capable of storing 110% of the volume of the largest contains	ner (if quantity >50L)?	
4.15 Enclosed on 3 sides with of containers?	h no less than 2m in height or height of tallest container/st	ack 🗸 🗀	
4.16 Properly stored and lock	ked in designated area with adequate ventilation?		
4.17 Storage area paved with	concrete and kept clean and dry?	<b>✓</b>	
4.18 Cover provided for out	loor storage area?	<b>✓</b> □ □	
4.19 Chemical waste collected	ed by licensed collector?	✓	
Liquid Waste Storage			
4.20 Storage area provided w	vith permeation-proof floor or surface?	✓	
	ructure sufficient to accommodate contents of the largest ne of the material in storage?	<b>V</b>	



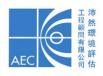
4.22	Walls or partitions of stacked co	ntainer storage area constructed of impe	ermeable material?		
5. La	ndfill Gas (LFG) (within LFG (	Consultation Zone)	N/A	Yes No	Remarks
5.1	Alert workers and visitors of pos	ssible LFG hazards?	<b>✓</b>		Outside LFG consultation zone
5.2	Smoking and open fires prohibit	ed?		<b>✓</b>	
6. Ot	<u>hers</u>		N/A	Yes No	Remarks
6.1	Works confined within lot bound	daries?		<b>V</b>	
6.2	Damage to surrounding areas av	oided?		<b>√</b>	_
6.3	Site lighting designed to avoid g	lare to surrounding receivers?	✓		
6.4	Materials and machinery stored	in an orderly manner?		<b>✓</b>	
6.5	Areas within lot for recycling ac	tivities paved with concrete?		<b>√</b>	
6.6	Potential stagnant pools cleared	and mosquito breeding prevented?		<b>√</b>	
6.7	Valid calibration certificate for a	ny monitoring equipment?	✓		Not required
6.8	Valid licence(s) obtained for ma	nufacture or storage of dangerous goods	s?		Not required
	a) Storage area in compliance wi	th the approved plan?	✓		
	b) Storage area is securely locke	d?	✓		
	c) Total storage capacity in comp	pliance with relevant statutory requirem	ent?		
	d) Proper labelling provided?		✓		
	e) Dangerous goods properly page	ckaged?	<b>✓</b>		
Rema	arks: Observations				
	No major environmental deficier	ncy was observed.			
Signa	atures:				
ET R	epresentative:	Operator Representative:	Tenant Representative:	IEC Repr	resentative:
	Ronan CHAN 2018/12/13	Name: May Wu  Date: 21 - Dec - 2018	Name: Reserved	Name: Date:	
			24/12/18		



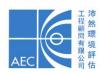
Issue 1\_\_\_\_\_AEC



	Inspection Date:         2018/10/24         Time:         11:35           Lot Number:         P11         Tenant:         K. Wah	Inspected by		n CHAN I TSANG
Wea	<u>ther</u>			
	Condition: Sunny Fine Vovercast Drizzle Temperature: 26 °C Humidity: High Vind: Light Breeze Strong	Rain Moderate		Storm Hazy Low
1. Ge	<u>eneral</u>	N/A Yes	No	Remarks
1.1	Environmental Permit (EP) for Tenant displayed at entrances/exits?	<b>✓</b>		EP for tenant is not required.
1.2	Environmental Policy documented?	<b>✓</b>		UPML's Environmental Policy is followed
1.3	Environmental Management Plan (EMP) kept up-to-date?	<b>✓</b>		UPML's EMP is followed
1.4	Emergency Response Plan (ERP) documented?	<b>✓</b>		UPML's ERP is followed
	(a) Drill or training records available?	<b>✓</b>		Subject to tenant's provision
1.5	All recycling processes in operation have been approved by WFBU?	✓		
1.6	Any record of complaint or prosecution?		<b>✓</b>	
2. W	ater Quality	N/A Yes	No	Remarks
2.1	Valid Effluent Discharge Licence available?	<b>✓</b>		Wastewater is reused.
	a) Sampling record available?	<b>√</b>		
	b) Monitoring frequency met the licence requirement?	<b>√</b>		-
	c) Monitoring result comply with the licence requirement?	<b>√</b>		
	d) If exceedance is recorded, any follow-up action taken?	<b>√</b>		Sedimentation pit is
2.2	Provision of wastewater treatment facility (WTF) prior to discharge?	<b>✓</b>		provided
	a) Adequate capacity?	<b>✓</b>		
	b) Properly maintained and function normally?	<b>✓</b>		
2.3	Surface run-off control measures in place and adequately maintained?	<b>✓</b>		
2.4	Surface run-off discharging into drainage system?	✓		
2.5	All manholes covered?			
2.6	Foam, oil, grease, debris, rubbish and other objectionable matters prevented from entering nearby drains or sewer?	<b>✓</b>		
2.7	Storage of materials and equipment located away from water bodies?	<b>✓</b>		
2.8	Drainage system well maintained to prevent flooding or overflow?			
2.9	Processes or activities with high risk of contamination located under covered area?			Stop-logs are available for
2.10	Installation of stop-logs in perimeter drainage system for uncovered areas where recovery process with potentially high level of contamination is carried out?	<b>✓</b>		use by tenant if needed.
2.11	Equipment oil and lubrication replacements performed only in bunded maintenance area?	<b>√</b>		Replacement activity is not observed



2.12	Contaminated water collected in the surface drainage system is treated at water treatment facility or other appropriate treatment facility?		<b>√</b>		
2.13	Drainage from maintenance area discharged via oil interceptor?	<b>√</b>			Not required
	a) Oil and grease removed regularly?	<b>√</b>			
	b) Collected by licensed collector?	<b>√</b>			
2.14	Follow Cargo Handling Guideline to minimise the chance of accidental spillage during loading and unloading adjacent to marine frontage?	<b>√</b>			Not required
2.15	Bulk cargo and materials packed properly?		<b>√</b>		
2.16	Temporary stockpiles covered during rainstorms?	<b>√</b>			Not observed
2.17	Measures to prevent the washing away of sand/silt to drains?		<b>√</b>		Fall gradient is provided to avoid runoff from operation area to drain.
<u>3. Ai</u>	r Quality	N/A	Yes	No	Remarks
3.1	Valid Specified Process (SP) Licence available for all specified process?		✓		
	a) SP Licence conditions / monitoring requirements comply?		<b>√</b>		Quarterly reporting on quantity of raw material and product (up to Jul 2018)
3.2	Operate without generation of noticeable odour?		<b>√</b>		
	a) If odour is detected, can the source be identified?	<b>√</b>			
	b) Odourous materials covered?	<b>√</b>			
	c) If odour control system is installed, is it operating normally?	<b>√</b>			
3.3	Dusty materials dampened prior to loading/unloading?		<b>√</b>		
3.4	Dust monitoring record available?		<b>√</b>		Measurement of 24-hr RSP required by SP Licence (up to Oct 2018)
	a) Monitoring frequency met the licence requirement?		<b>√</b>		
	b) Any exceedance?	<b>✓</b>			No specific standard is provided in SP Licence
	c) If exceedance is recorded, follow-up action taken?	<b>√</b>			
3.5	Dust-suppression measures provided where main dust-generating activities take place (i.e. enclosures or regular dampening)?		<b>√</b>		Enclousures and sprinkler system are provided
3.6	Open burning prohibited?		<b>√</b>		
3.7	Emission from chimney or powered plant free of black smoke?		<b>√</b>		
3.8	Vehicles and equipment switched off while not in use?		<b>√</b>		
3.9	Obtained approval for installation/alteration of furnace, oven or chimney consuming over 25L liquid fuel/hour, or 35kg solid fuel/hour, or 1150MJ gaseous fuel/hour?	<b>√</b>			
3.10	Obtained approval for the use of liquid fuel with a viscosity point of ignition >30 centistokes or an equivalent viscosity?	<b>√</b>			
3.11	Air pollution control system properly maintained and function normally?		<b>√</b>		Maintenance record to be provided
3.12	Dust collected by any air pollution control equipment installed by tenants tested to ensure compliance for landfill disposal?	<b>√</b>			
	a) Obtained approval for the use of controlled refrigerant?	✓			
	b) If yes, record of refrigeration equipment service available?	✓			
3.13	Only ultra-low sulphur diesel is used for activities requiring liquid fuel?	<b>√</b>			
3.14	Public road around site entrance kept clean and free from dust?		<b>√</b>		



3.15 Materials transported on trucks covered?	✓ Not observed
3.16 Truck loads to a level within the side and tail boards?	Not observed
3.17 Stockpiles of dusty materials covered or regularly watered?	
3.18 Major dust source(s): Wind erosion Ve	ehicle/equipment movement
Loading/unloading of materials Of	thers:
4. Waste / Chemical Management	
General	N/A Yes No Remarks
4.1 Registered as chemical waste producer?	
4.2 Sufficient receptacles (e.g. rubbish bins) available?	
4.3 Disposed of regularly and properly?	
4.4 Sorting of materials on-site for reuse or disposal to designated outlet?	
4.5 Records of quantities of waste generated, recycled and disposed properly kept?	Verified via quarterly report
4.6 Collection of sludge by licensed collector at regular intervals?	
Packaging of Chemical Waste	
4.7 Stored in suitable container?	
4.8 Container properly closed or sealed?	
4.9 Spillage cleaned up immediately through the use of absorbent?	
4.10 Obtained approval for the use of chemical waste container >450L?	
<u>Labelling of Chemical Waste</u>	
4.11 Provision of chemical waste label?	
a) Label is securely attached and visible?	
b) Label is bilingual and in proper dimension?	Follow-up Observation (1)
c) Information is accurate and sufficient?	Follow-up Observation (1)
Storage of Chemical Waste	
4.12 Proper "Chemical Waste" sign displayed?	
4.13 Incompatible wastes separated by impermeable partition?	✓ Not observed
4.14 Containers kept in cabinet or receptacle of suitable material (if quantity $<50L$ ), or provide with drip trays capable of storing 110% of the volume of the largest container (if quantity	
4.15 Enclosed on 3 sides with no less than 2m in height or height of tallest container / stack of containers?	
4.16 Properly stored and locked in designated area with adequate ventilation?	
4.17 Storage area paved with concrete and kept clean and dry?	
4.18 Cover provided for outdoor storage area?	
4.19 Chemical waste collected by licensed collector?	No chemical waste has been collected and removed from the lot. Licensed collector will be engaged when removal is arranged.
Liquid Waste Storage	
4.20 Storage area provided with permeation-proof floor or surface?	



4.21	Capacity of retention structure sufficient to accommodate contents of the largest		✓		
	container or 20% volume of the material in storage?				
4.22	Walls or partitions of stacked container storage area constructed of impermeable material?		✓		
5.1	Alert workers and visitors of possible LFG hazards?  Smoking and open fires prohibited?	N/A	Yes	No	Remarks Outside LFG consultation zone
<u>6. Ot</u>	<u>hers</u>	N/A	Yes	No	Remarks
6.1	Works confined within lot boundaries?		<b>√</b>		
6.2	Damage to surrounding areas avoided?		<b>√</b>		
6.3	Site lighting designed to avoid glare to surrounding receivers?	<b>✓</b>			
6.4	Materials and machinery stored in an orderly manner?		✓		
6.5	Areas within lot for recycling activities paved with concrete?		<b>√</b>		
6.6	Potential stagnant pools cleared and mosquito breeding prevented?		<b>√</b>		
6.7	Valid calibration certificate for any monitoring equipment?	<b>✓</b>			Not provided
6.8	Valid licence(s) obtained for manufacture or storage of dangerous goods?	<b>✓</b>			Not required
	a) Storage area in compliance with the approved plan?	✓			
	b) Storage area is securely locked?	<b>✓</b>			
	c) Total storage capacity in compliance with relevant statutory requirement?	<b>✓</b>			
	d) Proper labelling provided?	<b>✓</b>			
	e) Dangerous goods properly packaged?	<b>√</b>			

#### SITE INSPECTION CHECKLIST



#### **Remarks:**

#### Follow-up from Previous Audits

1) Proper label for chemical waste was attached on the surface of containers in chemical waste storage area.



(Observed on 18 September 2018)



(Observed on 24 October 2018)

#### New Observations

· No major environmental deficiency was observed.

#### **Signatures:**

ET Representative:

Name: Ronan CHAN

Date: 2018/10/24

Operator Representative:

Name: May Wu

Date: - 8 NOV 2018

Tenant Representative:

Canal City

Date: 12/11/12

IEC Representative:

Name:

Date:



	Inspection Date:         2018/11/20         Time:         11:30           Lot Number:         P11         Tenant:         K. Wah	Inspected by:	Ronan CHAN
Wea	ther  Condition: Sunny ✓ Fine Overcast Drizzle  Temperature: 25 ℃ Humidity: High  Wind: ✓ Calm Light Breeze Strong	Rain ✓ Moderate	Storm Hazy Low
1. G	<u>eneral</u>	N/A Yes	No Remarks
1.3 1.4 1.5	Environmental Permit (EP) for Tenant displayed at entrances/exits?  Environmental Policy documented?  Environmental Management Plan (EMP) kept up-to-date?  Emergency Response Plan (ERP) documented?  All recycling processes in operation have been approved by WRG of EPD?  Any record of complaint or prosecution?		EP for tenant is not required.  UPML's Environmental Policy is followed  UPML's EMP is followed  UPML's ERP is followed
2. W	ater Quality	N/A Yes	No Remarks
2.1	Valid Effluent Discharge Licence available?	<b>✓</b>	Wastewater is reused
	a) Sampling record available?	<b>✓</b>	
	b) Monitoring frequency met the licence requirement?	✓	
	c) Monitoring result comply with the licence requirement?	<b>✓</b>	
	d) If exceedance is recorded, any follow-up action taken?	<b>✓</b>	<b></b>
2.2	Provision of wastewater treatment facility (WTF) prior to discharge?		Sedimentation pit is provided
	a) Adequate capacity?	<b>✓</b>	<u> </u>
	b) Properly maintained and function normally?	<b>✓</b>	<u> </u>
2.3	Surface run-off control measures in place and adequately maintained?	<b>✓</b>	<u> </u>
2.4	Surface run-off discharging into drainage system?	<b>✓</b>	
2.5	All manholes covered?		
2.6	Foam, oil, grease, debris, rubbish and other objectionable matters prevented from entering nearby drains or sewer?		<u> </u>
2.7	Storage of materials and equipment located away from water bodies?		<u> </u>
2.8	Drainage system well maintained to prevent flooding or overflow?		<u> </u>
2.9	Processes or activities with high risk of contamination located under covered area?		<u> </u>
2.10	Installation of stop-logs in perimeter drainage system for uncovered areas where recovery process with potentially high level of contamination is carried out?	<b>V</b>	Stop-logs are available for use by tenant if needed.
2.11	Equipment oil and lubrication replacements performed only in bunded maintenance area?	<b>√</b>	Replacement activity is not observed
2.12	Contaminated water collected in the surface drainage system is treated at water treatment facility or other appropriate treatment facility?		



2.13 Dra	ainage from maintenance area discharged via oil interceptor?	✓			Not required
a)	Oil and grease removed regularly?	<b>✓</b>			
b)	Collected by licensed collector?	<b>✓</b>			
	llow Cargo Handling Guideline to minimise the chance of accidental spillage during ding and unloading adjacent to marine frontage?	✓			Not required
2.15 Bul	lk cargo and materials packed properly?		<b>✓</b>		
2.16 Ter	mporary stockpiles covered during rainstorms?	<b>✓</b>			Not observed
2.17 Me	easures to prevent the washing away of sand/silt to drains?		✓		Fall gradient is provided to direct runoff from operation area to sedimentation pit
3. Air Q	<u>uality</u>	N/A	Yes	No	Remarks
3.1 Val	lid Specified Process (SP) Licence available for all specified process?		<b>✓</b>		
a) S	SP Licence conditions / monitoring requirements comply?		<b>√</b>		Quarterly reporting on quantity of raw material and product (up to Jul 2018)
3.2 Op	erate without generation of noticeable odour?		<b>✓</b>		
a) I	If odour is detected, can the source be identified?	✓			
b) (	Odourous materials covered?	<b>√</b>			
c) I	If odour control system is installed, is it operating normally?	<b>✓</b>			
3.3 Du	sty materials dampened prior to loading/unloading?			✓	New Observation (1)
3.4 Du	st monitoring record available?		<b>✓</b>		Measurement of 24-hr RSP required by SP Licence (up to Oct 2018)
a) <b>N</b>	Monitoring frequency met the licence requirement?		<b>✓</b>		
b) A	Any exceedance?	<b>✓</b>			No specific standard is provided in SP Licence
c) I	If exceedance is recorded, follow-up action taken?	<b>✓</b>			
	st-suppression measures provided where main dust-generating activities take place (i.e. closures or regular dampening)?		<b>√</b>		Enclousures and sprinkler system are provided
3.6 Op	en burning prohibited?		<b>✓</b>		
3.7 Em	nission from chimney or powered plant free of black smoke?		<b>✓</b>		
3.8 Vel	hicles and equipment switched off while not in use?		<b>✓</b>		
	tained approval for installation/alteration of furnace, oven or chimney consuming over L liquid fuel/hour, or 35kg solid fuel/hour, or 1150MJ gaseous fuel/hour?	✓			
	tained approval for the use of liquid fuel with a viscosity point of ignition >30 attistokes or an equivalent viscosity?	✓			With the last
3.11 Air	pollution control system properly maintained and function normally?		<b>√</b>		Maintenance record to be provided
	st collected by any air pollution control equipment installed by tenants tested to ensure appliance for landfill disposal?	✓			
a) (	Obtained approval for the use of controlled refrigerant?	<b>✓</b>			
b) I	If yes, record of refrigeration equipment service available?	✓			
3.13 On	ly ultra-low sulphur diesel is used for activities requiring liquid fuel?	✓			
3.14 Pub	blic road around site entrance kept clean and free from dust?		<b>√</b>		
3.15 Ma	aterials transported on trucks covered?		<b>√</b>		



3.16 Truck loads to a level within the side and tail boards?	
3.17 Stockpiles of dusty materials covered or regularly watered?	
3.18 Major dust source(s): Wind erosion ✓	Vehicle/equipment movement
✓ Loading/unloading of materials	Others:
4. Waste / Chemical Management	
General	N/A Yes No Remarks
4.1 Registered as chemical waste producer?	
4.2 Sufficient receptacles (e.g. rubbish bins) available?	
4.3 Disposed of regularly and properly?	
4.4 Sorting of materials on-site for reuse or disposal to designated outlet?	
4.5 Records of quantities of waste generated, recycled and disposed properly kept?	✓ Verified via quarterly report
4.6 Collection of sludge by licensed collector at regular intervals?	
Packaging of Chemical Waste	
4.7 Stored in suitable container?	
4.8 Container properly closed or sealed?	✓ New Observation (2)
4.9 Spillage cleaned up immediately through the use of absorbent?	
4.10 Obtained approval for the use of chemical waste container >450L?	
Labelling of Chemical Waste	
4.11 Provision of chemical waste label?	
a) Label is securely attached and visible?	
b) Label is bilingual and in proper dimension?	✓ New Observation (2)
c) Information is accurate and sufficient?	New Observation (2)
Storage of Chemical Waste	<u> </u>
4.12 Proper "Chemical Waste" sign displayed?	
4.13 Incompatible wastes separated by impermeable partition?	Not observed
4.14 Containers kept in cabinet or receptacle of suitable material (if quantity <50L), or provided with drip trays capable of storing 110% of the volume of the largest container (if quantity >5	50L)?
4.15 Enclosed on 3 sides with no less than 2m in height or height of tallest container / stack of containers?	
4.16 Properly stored and locked in designated area with adequate ventilation?	
4.17 Storage area paved with concrete and kept clean and dry?	
4.18 Cover provided for outdoor storage area?	
4.19 Chemical waste collected by licensed collector?	No chemical waste is removed from the lot yet
Liquid Waste Storage	<u> </u>
4.20 Storage area provided with permeation-proof floor or surface?	
4.21 Capacity of retention structure sufficient to accommodate contents of the largest container or 20% volume of the material in storage?	

### SITE INSPECTION CHECKLIST



4.22 Walls or partitions of stacked container storage area constructed of impermeable material?	
<ul><li>5. Landfill Gas (LFG) (within LFG Consultation Zone)</li><li>5.1 Alert workers and visitors of possible LFG hazards?</li><li>5.2 Smoking and open fires prohibited?</li></ul>	N/A Yes No Remarks Outside LFG consultation zone
6. Others	N/A Yes No Remarks
6.1 Works confined within lot boundaries?	
6.2 Damage to surrounding areas avoided?	
6.3 Site lighting designed to avoid glare to surrounding receivers?	
6.4 Materials and machinery stored in an orderly manner?	
6.5 Areas within lot for recycling activities paved with concrete?	
6.6 Potential stagnant pools cleared and mosquito breeding prevented?	
6.7 Valid calibration certificate for any monitoring equipment?	✓ Not provided
6.8 Valid licence(s) obtained for manufacture or storage of dangerous goods?	✓ Not required
a) Storage area in compliance with the approved plan?	
b) Storage area is securely locked?	<u> </u>
c) Total storage capacity in compliance with relevant statutory requirement?	
d) Proper labelling provided?	
e) Dangerous goods properly packaged?	✓

#### Remarks:

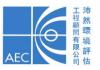
#### New Observations

1) Dust generation was observed during unloading of C&D materials. The tenant was requested to dampen the materials before or during unloading for dust suppression. The tenant should also instruct relevant staff to reduce the unloading speed to minimise dust generation.



(Observed on 20 November 2018)

#### SITE INSPECTION CHECKLIST



2) A chemical waste container was observed without cover and proper label in the chemical waste storage area. The tenant was requested to provide covered container with proper chemical waste label for storage of chemical waste.



(Observed on 20 November 2018)

**Signatures:** 

ET Representative:

Name Ronan CHAN

Date: 2018/11/20

Operator Representative:

Name:

May Wu

Date:

28 NOV 2018

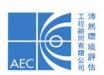
Tenant Representative:

Sammy Silly

Date: 29 NOV, 20/1

IEC Representative:

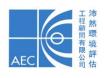
Page 5 of 5



		-	
	Inspection Date:         2018/12/13         Time:         11:50           Lot Number:         P11         Tenant:         K. Wah	Inspected by:	Ronan CHAN
Wea	<u>ther</u>		
	Condition: Sunny Fine Overcast Drizzle	Rain	Storm Hazy
	Temperature: 15 °C Humidity: High	✓ Moderate	Low
	Wind: Calm ✓ Light Breeze Strong		
1. G	<u>eneral</u>	N/A Yes	No Remarks
1.1	Environmental Permit (EP) for Tenant displayed at entrances/exits?	<b></b>	EP for tenant is not required.
1.2	Environmental Policy documented?	<b>/</b> [	UPML's Environmental Policy is followed
1.3	Environmental Management Plan (EMP) kept up-to-date?	<b>/</b> [	UPML's EMP is followed
1.4	Emergency Response Plan (ERP) documented?	<b>✓</b> [	UPML's ERP is followed
1.5	All recycling processes in operation have been approved by WRG of EPD?		
1.6	Any record of complaint or prosecution?		<b>√</b>
2. W	ater Quality	N/A Yes	No Remarks
2.1	Valid Effluent Discharge Licence available?	<b>_</b>	Wastewater is reused
	a) Sampling record available?	<b></b>	
	b) Monitoring frequency met the licence requirement?	<b></b>	
	c) Monitoring result comply with the licence requirement?	<b>_</b>	
	d) If exceedance is recorded, any follow-up action taken?	<b>_</b>	
2.2	Provision of wastewater treatment facility (WTF) prior to discharge?		Sedimentation pit is provided
	a) Adequate capacity?		
	b) Properly maintained and function normally?		
2.3	Surface run-off control measures in place and adequately maintained?		
2.4	Surface run-off discharging into drainage system?		
2.5	All manholes covered?		
2.6	Foam, oil, grease, debris, rubbish and other objectionable matters prevented from entering nearby drains or sewer?		
2.7	Storage of materials and equipment located away from water bodies?		
2.8	Drainage system well maintained to prevent flooding or overflow?		
	Processes or activities with high risk of contamination located under covered area?		
2.10	Installation of stop-logs in perimeter drainage system for uncovered areas where recovery process with potentially high level of contamination is carried out?		Stop-logs are available for use by tenant if needed.
2.11	Equipment oil and lubrication replacements performed only in bunded maintenance area?	<b> </b>	Replacement activity is not observed
	Contaminated water collected in the surface drainage system is treated at water treatment facility or other appropriate treatment facility?		



2.13	Drainage from maintenance area discharged via oil interceptor?	<b>✓</b>	Not required
	a) Oil and grease removed regularly?	<b>✓</b>	
	b) Collected by licensed collector?	<b>✓</b>	
2.14	Follow Cargo Handling Guideline to minimise the chance of accidental spillage during loading and unloading adjacent to marine frontage?	<b>/</b>	Not required
2.15	Bulk cargo and materials packed properly?		
2.16	Temporary stockpiles covered during rainstorms?	✓ <u> </u>	Not observed
2.17	Measures to prevent the washing away of sand/silt to drains?		Fall gradient is provided to direct runoff from operation area to sedimentation pit
3. Ai	r Quality	N/A Yes No	Remarks
3.1	Valid Specified Process (SP) Licence available for all specified process?		
	a) SP Licence conditions / monitoring requirements comply?		Quarterly reporting on quantity of raw material and product (up to Oct 2018)
3.2	Operate without generation of noticeable odour?		
	a) If odour is detected, can the source be identified?	<b>√</b> □ □	
	b) Odourous materials covered?	<b>/</b>	
	c) If odour control system is installed, is it operating normally?	<b>✓</b>	
3.3	Dusty materials dampened prior to loading/unloading?		Follow-up Observation (1)
3.4	Dust monitoring record available?		Measurement of 24-hr RSP required by SP Licence (up to Nov 2018)
	a) Monitoring frequency met the licence requirement?		
	b) Any exceedance?	<b>√</b> □ □	No specific standard is provided in SP Licence
	c) If exceedance is recorded, follow-up action taken?	<b>√</b> □ □	
3.5	Dust-suppression measures provided where main dust-generating activities take place (i.e. enclosures or regular dampening)?		Enclousures and sprinkler system are provided
3.6	Open burning prohibited?		
3.7	Emission from chimney or powered plant free of black smoke?		
3.8	Vehicles and equipment switched off while not in use?		
3.9	Obtained approval for installation/alteration of furnace, oven or chimney consuming over 25L liquid fuel/hour, or 35kg solid fuel/hour, or 1150MJ gaseous fuel/hour?	<b>/</b>	
3.10	Obtained approval for the use of liquid fuel with a viscosity point of ignition >30 centistokes or an equivalent viscosity?	<b>/</b>	
3.11	Air pollution control system properly maintained and function normally?		Maintenance record to be provided
3.12	Dust collected by any air pollution control equipment installed by tenants tested to ensure compliance for landfill disposal?	<u> </u>	
	a) Obtained approval for the use of controlled refrigerant?	✓ <u> </u>	
	b) If yes, record of refrigeration equipment service available?		
3.13	Only ultra-low sulphur diesel is used for activities requiring liquid fuel?		
3.14	Public road around site entrance kept clean and free from dust?		
3.15	Materials transported on trucks covered?		



3.16 Truck loads to a level within the side and tail boards?	
3.17 Stockpiles of dusty materials covered or regularly watered?	
	hicle/equipment movement
	hers:
4. Waste / Chemical Management	
<u>General</u>	N/A Yes No Remarks
4.1 Registered as chemical waste producer?	
4.2 Sufficient receptacles (e.g. rubbish bins) available?	
4.3 Disposed of regularly and properly?	
4.4 Sorting of materials on-site for reuse or disposal to designated outlet?	
4.5 Records of quantities of waste generated, recycled and disposed properly kept?	✓ Verified via quarterly report
4.6 Collection of sludge by licensed collector at regular intervals?	
Packaging of Chemical Waste	
4.7 Stored in suitable container?	
4.8 Container properly closed or sealed?	✓ New Observation (2)
4.9 Spillage cleaned up immediately through the use of absorbent?	
4.10 Obtained approval for the use of chemical waste container >450L?	
Labelling of Chemical Waste	
4.11 Provision of chemical waste label?	
a) Label is securely attached and visible?	
b) Label is bilingual and in proper dimension?	✓ New Observation (2)
c) Information is accurate and sufficient?	✓ New Observation (2)
Storage of Chemical Waste	
4.12 Proper "Chemical Waste" sign displayed?	
4.13 Incompatible wastes separated by impermeable partition?	✓ Not observed
4.14 Containers kept in cabinet or receptacle of suitable material (if quantity <50L), or provided with drip trays capable of storing 110% of the volume of the largest container (if quantity >50L)?	
4.15 Enclosed on 3 sides with no less than 2m in height or height of tallest container / stack of containers?	
4.16 Properly stored and locked in designated area with adequate ventilation?	
4.17 Storage area paved with concrete and kept clean and dry?	
4.18 Cover provided for outdoor storage area?	
4.19 Chemical waste collected by licensed collector?	No chemical waste is removed from the lot yet
Liquid Waste Storage	· ————————————————————————————————————
4.20 Storage area provided with permeation-proof floor or surface?	
4.21 Capacity of retention structure sufficient to accommodate contents of the largest container or 20% volume of the material in storage?	

## SITE INSPECTION CHECKLIST



4.22	Walls or partitions of stacked container storage area constructed of impermeable material?		
<u>5. La</u>	andfill Gas (LFG) (within LFG Consultation Zone)	N/A Yes No	Remarks
5.1	Alert workers and visitors of possible LFG hazards?	<b>V</b>	Outside LFG consultation zone
5.2	Smoking and open fires prohibited?		
<u>6. O</u>	<u>chers</u>	N/A Yes No	Remarks
6.1	Works confined within lot boundaries?		
6.2	Damage to surrounding areas avoided?		
6.3	Site lighting designed to avoid glare to surrounding receivers?	✓	
6.4	Materials and machinery stored in an orderly manner?		
6.5	Areas within lot for recycling activities paved with concrete?		
6.6	Potential stagnant pools cleared and mosquito breeding prevented?		
6.7	Valid calibration certificate for any monitoring equipment?		Not provided
6.8	Valid licence(s) obtained for manufacture or storage of dangerous goods?		Not required
	a) Storage area in compliance with the approved plan?		
	b) Storage area is securely locked?		
	c) Total storage capacity in compliance with relevant statutory requirement?	✓	
	d) Proper labelling provided?	<b>/</b>	
	e) Dangerous goods properly packaged?	<b>/</b>	

#### Remarks:

#### Follow-up from Previous Audits

 $1) \quad Dampening \ of \ materials \ was \ observed \ in \ the \ loading/unloading \ area.$ 

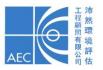


(Observed on 20 November 2018)



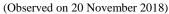
(Observed on 13 December 2018)

#### SITE INSPECTION CHECKLIST



2) A chemical waste container was observed without cover and proper label in the chemical waste storage area. The tenant was requested to provide covered container with proper chemical waste label for storage of chemical waste.







(Observed on 13 December 2018)

#### **Signatures:**

ET Representative:

Name: Ronan CHAN

Date: 2018/12/13

Operator Representative:

May Wu Name:

May Wu 21 - Dec - 204 Date:

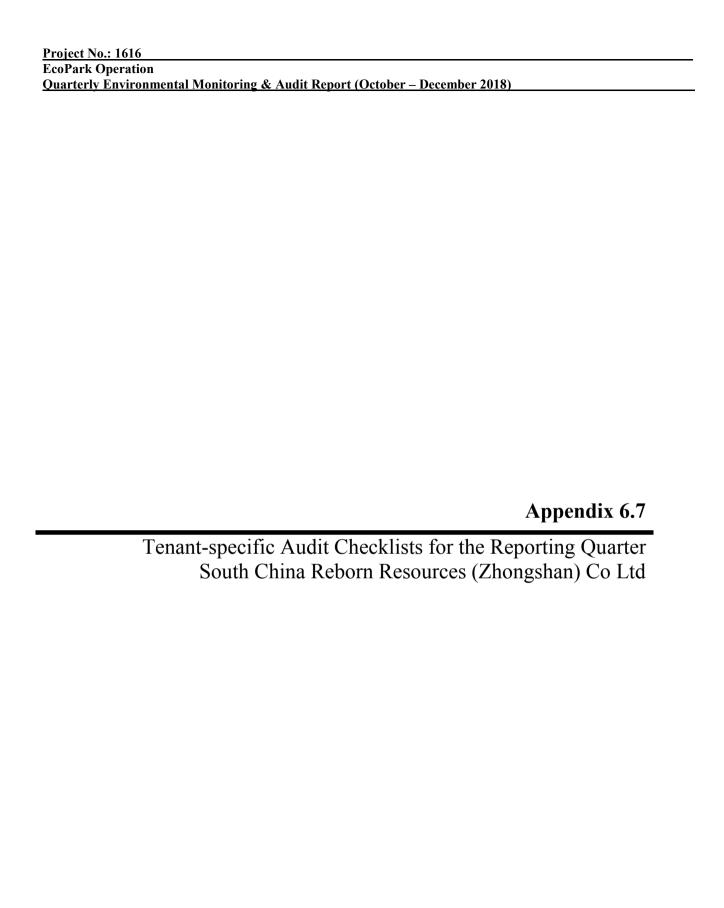
Tenant Representative:

Name:

IEC Representative:

Date:

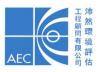
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Issue 1\_\_\_\_\_AEC



	Inspection Date:         2018/10/24         Time:         09:50           Lot Number:         P12         Tenant:         South China	Inspected by:	Ronan CHAN David TSANG
<u>Wea</u>	ther  Condition: Sunny Fine ✓ Overcast Drizzle	Rain	Storm Hazy
		✓ Moderate	
		Wioderate	Low
	Wind:		
1. G	<u>eneral</u>	N/A Yes	No Remarks
1.1	Environmental Permit (EP) for Tenant displayed at entrances/exits?	<b>✓</b>	EP for tenant is not required. UPML's Environmental Policy
1.2	Environmental Policy documented?	✓	is followed
1.3	Environmental Management Plan (EMP) kept up-to-date?	✓	UPML's EMP is followed
1.4	Emergency Response Plan (ERP) documented?	<b>✓</b>	UPML's ERP is followed
	(a) Drill or training records available?	<b>✓</b>	Subject to tenant's provision
1.5	All recycling processes in operation have been approved by WFBU?		
1.6	Any record of complaint or prosecution?		✓
<u>2. W</u>	ater Quality	N/A Yes	No Remarks Prohibition of discharging wastewater
2.1	Valid Effluent Discharge Licence available?		to communal sewer by the enforcement unit of EPD
	a) Sampling record available?		✓ Discharge is suspended temporarily.
	b) Monitoring frequency met the licence requirement?	<b>✓</b>	
	c) Monitoring result comply with the licence requirement?	<b>✓</b>	
	d) If exceedance is recorded, any follow-up action taken?	<b>✓</b>	
2.2	Provision of wastewater treatment facility (WTF) prior to discharge?		✓ Wastewater is tanked away.
	a) Adequate capacity?		for temporary storage in the underground storage tank
	b) Properly maintained and function normally?		✓ Wastewater is tanked away.
2.3	Surface run-off control measures in place and adequately maintained?		
2.4	Surface run-off discharging into drainage system?		
2.5	All manholes covered?		Manholes near the cleaning area are sealed
2.6	Foam, oil, grease, debris, rubbish and other objectionable matters prevented from entering nearby drains or sewer?		
2.7	Storage of materials and equipment located away from water bodies?		
2.8	Drainage system well maintained to prevent flooding or overflow?		
2.9	Processes or activities with high risk of contamination located under covered area?		
2.10	Installation of stop-logs in perimeter drainage system for uncovered areas where recovery process with potentially high level of contamination is carried out?	<b>V</b>	Stop-logs are available for use by tenant if needed.
2.11	Equipment oil and lubrication replacements performed only in bunded maintenance area?	<b>✓</b>	Replacement activity is not observed



2.12	Contaminated water collected in the surface drainage system is treated at water treatment facility or other appropriate treatment facility?	Wastewater is tanked away
2.13	Drainage from maintenance area discharged via oil interceptor?	✓ Wastewater is tanked away
	a) Oil and grease removed regularly?	
	b) Collected by licensed collector?	
2.14	Follow Cargo Handling Guideline to minimise the chance of accidental spillage during loading and unloading adjacent to marine frontage?	Not required
2.15	Bulk cargo and materials packed properly?	Not required
2.16	Temporary stockpiles covered during rainstorms?	
2.17	Measures to prevent the washing away of sand/silt to drains?	No sand/silt is generated from the recycling process
3. Ai	r Quality	N/A Yes No Remarks
3.1	Valid Specified Process (SP) Licence available for all specified process?	<b>/</b>
	a) SP Licence conditions / monitoring requirements comply?	
3.2	Operate without generation of noticeable odour?	No operation is observed during inspection
	a) If odour is detected, can the source be identified?	
	b) Odourous materials covered?	
	c) If odour control system is installed, is it operating normally?	No operation is observed
3.3	Dusty materials dampened prior to loading/unloading?	Dusty material is not observed
3.4	Dust monitoring record available?	✓ Not required
	a) Monitoring frequency met the licence requirement?	
	b) Any exceedance?	
	c) If exceedance is recorded, follow-up action taken?	
3.5	Dust-suppression measures provided where main dust-generating activities take place (i.e. enclosures or regular dampening)?	Dust-generating activity is not observed
3.6	Open burning prohibited?	
3.7	Emission from chimney or powered plant free of black smoke?	No operation is observed during inspection
3.8	Vehicles and equipment switched off while not in use?	
3.9	Obtained approval for installation/alteration of furnace, oven or chimney consuming over 25L liquid fuel/hour, or 35kg solid fuel/hour, or 1150MJ gaseous fuel/hour?	
3.10	Obtained approval for the use of liquid fuel with a viscosity point of ignition >30 centistokes or an equivalent viscosity?	
3.11	Air pollution control system properly maintained and function normally?	
3.12	Dust collected by any air pollution control equipment installed by tenants tested to ensure compliance for landfill disposal?	
	a) Obtained approval for the use of controlled refrigerant?	
	b) If yes, record of refrigeration equipment service available?	
3.13	Only ultra-low sulphur diesel is used for activities requiring liquid fuel?	
3.14	Public road around site entrance kept clean and free from dust?	



3.15 Materials transported on trucks covered?	✓ Not observed
3.16 Truck loads to a level within the side and tail boards?	✓ Not observed
3.17 Stockpiles of dusty materials covered or regularly watered?	No stockpile of dusty material is observed
3.18 Major dust source(s): Wind erosion Vel	hicle/equipment movement
Loading/unloading of materials ✓ Oth	ners: n/a
4. Waste / Chemical Management	
General	N/A Yes No Remarks
4.1 Registered as chemical waste producer?	No chemical waste is observed
4.2 Sufficient receptacles (e.g. rubbish bins) available?	
4.3 Disposed of regularly and properly?	
4.4 Sorting of materials on-site for reuse or disposal to designated outlet?	
4.5 Records of quantities of waste generated, recycled and disposed properly kept?	✓ Verified via quarterly report
4.6 Collection of sludge by licensed collector at regular intervals?	
Packaging of Chemical Waste	
4.7 Stored in suitable container?	
4.8 Container properly closed or sealed?	
4.9 Spillage cleaned up immediately through the use of absorbent?	
4.10 Obtained approval for the use of chemical waste container >450L?	
Labelling of Chemical Waste	
4.11 Provision of chemical waste label?	
a) Label is securely attached and visible?	
b) Label is bilingual and in proper dimension?	
c) Information is accurate and sufficient?	
Storage of Chemical Waste	
4.12 Proper "Chemical Waste" sign displayed?	
4.13 Incompatible wastes separated by impermeable partition?	
4.14 Containers kept in cabinet or receptacle of suitable material (if quantity <50L), or provided with drip trays capable of storing 110% of the volume of the largest container (if quantity >50L)?	
4.15 Enclosed on 3 sides with no less than 2m in height or height of tallest container / stack of containers?	
4.16 Properly stored and locked in designated area with adequate ventilation?	
4.17 Storage area paved with concrete and kept clean and dry?	
4.18 Cover provided for outdoor storage area?	
4.19 Chemical waste collected by licensed collector?	
Liquid Waste Storage	
4.20 Storage area provided with permeation-proof floor or surface?	

### SITE INSPECTION CHECKLIST



4.21	Capacity of retention structure sufficient to accommodate contents of the largest container or 20% volume of the material in storage?	
4.22	Walls or partitions of stacked container storage area constructed of impermeable material?	
5. La	andfill Gas (LFG) (within LFG Consultation Zone)	N/A Yes No Remarks
5.1	Alert workers and visitors of possible LFG hazards?	Outside LFG consultation zone
5.2	Smoking and open fires prohibited?	
<u>6. Ot</u>	<u>hers</u>	N/A Yes No Remarks
6.1	Works confined within lot boundaries?	
6.2	Damage to surrounding areas avoided?	
6.3	Site lighting designed to avoid glare to surrounding receivers?	
6.4	Materials and machinery stored in an orderly manner?	
6.5	Areas within lot for recycling activities paved with concrete?	
6.6	Potential stagnant pools cleared and mosquito breeding prevented?	
6.7	Valid calibration certificate for any monitoring equipment?	Not provided
6.8	Valid licence(s) obtained for manufacture or storage of dangerous goods?	Not required
	a) Storage area in compliance with the approved plan?	
	b) Storage area is securely locked?	
	c) Total storage capacity in compliance with relevant statutory requirement?	
	d) Proper labelling provided?	
	e) Dangerous goods properly packaged?	
Rem	arks:	
New	<u>Observations</u>	
	No major environmental deficiency was observed.	
Signa	atures:	
ET R	epresentative: Operator Representative: Tenant Representa	tive: IEC Representative:
	AD men	

Name Terence Tsui

Date:

10 NOV 2018

Name: Hazel CHEUNG

Date: 2018/10/25

Name: Ronan CHAN

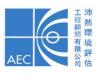
Date: 2018/10/24

May Wu

- 8 NOV 2018

Name

Date:



	Inspection Date: 2018/11/20 Time: 09:55  Lot Number: P12 Tenant: South China	Inspected by:	Ronan CHAN
<u>Wea</u>	ther  Condition: Sunny ✓ Fine Overcast Drizzle  Temperature: 25 ℃ Humidity: High  Wind: ✓ Calm Light Breeze Strong	Rain  ✓ Moderate	Storm Hazy Low
1. G	<u>eneral</u>	N/A Yes	No Remarks
1.3 1.4 1.5	Environmental Permit (EP) for Tenant displayed at entrances/exits?  Environmental Policy documented?  Environmental Management Plan (EMP) kept up-to-date?  Emergency Response Plan (ERP) documented?  All recycling processes in operation have been approved by WRG of EPD?  Any record of complaint or prosecution?		EP for tenant is not required.  UPML's Environmental Policy is followed  UPML's EMP is followed  UPML's ERP is followed
1.0	Any record of complaint of prosecution:		L '
2.1	Valid Effluent Discharge Licence available?  a) Sampling record available?  b) Monitoring frequency met the licence requirement?  c) Monitoring result comply with the licence requirement?  d) If exceedance is recorded, any follow-up action taken?  Provision of wastewater treatment facility (WTF) prior to discharge?  a) Adequate capacity?  b) Properly maintained and function normally?	N/A Yes	No Remarks Prohibition of discharging wastewater to communal sewer by the enforcement unit of EPD  Discharge is suspended temporarily.  Wastewater is tanked away.  Temporary storage in the underground storage tank  Wastewater is tanked away.
2.3	Surface run-off control measures in place and adequately maintained?		
<ul><li>2.4</li><li>2.5</li><li>2.6</li></ul>	Surface run-off discharging into drainage system?  All manholes covered?  Foam, oil, grease, debris, rubbish and other objectionable matters prevented from entering nearby drains or sewer?		Manholes near the cleaning area are sealed
<ul><li>2.7</li><li>2.8</li><li>2.9</li></ul>	Storage of materials and equipment located away from water bodies?  Drainage system well maintained to prevent flooding or overflow?  Processes or activities with high risk of contamination located under covered area?	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	Stop-logs are available for use
2.11	Installation of stop-logs in perimeter drainage system for uncovered areas where recovery process with potentially high level of contamination is carried out?  Equipment oil and lubrication replacements performed only in bunded maintenance area?		by tenant if needed.  Replacement activity is not observed
2.12	Contaminated water collected in the surface drainage system is treated at water treatment facility or other appropriate treatment facility?		Wastewater is tanked away

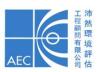


2.13	Drainage from maintenance area discharged via oil interceptor?	✓ Wastewater is tanked away
	a) Oil and grease removed regularly?	
	b) Collected by licensed collector?	
2.14	Follow Cargo Handling Guideline to minimise the chance of accidental spillage during loading and unloading adjacent to marine frontage?	Not required
2.15	Bulk cargo and materials packed properly?	✓ Not required
2.16	Temporary stockpiles covered during rainstorms?	
2.17	Measures to prevent the washing away of sand/silt to drains?	No sand/silt is generated from the recycling process
3. Ai	r Quality	N/A Yes No Remarks
3.1	Valid Specified Process (SP) Licence available for all specified process?	
	a) SP Licence conditions / monitoring requirements comply?	
3.2	Operate without generation of noticeable odour?	
	a) If odour is detected, can the source be identified?	
	b) Odourous materials covered?	
	c) If odour control system is installed, is it operating normally?	
3.3	Dusty materials dampened prior to loading/unloading?	Dusty material is not observed
3.4	Dust monitoring record available?	✓ Not required
	a) Monitoring frequency met the licence requirement?	
	b) Any exceedance?	
	c) If exceedance is recorded, follow-up action taken?	
3.5	Dust-suppression measures provided where main dust-generating activities take place (i.e. enclosures or regular dampening)?	Dust-generating activity is not observed
3.6	Open burning prohibited?	
3.7	Emission from chimney or powered plant free of black smoke?	
3.8	Vehicles and equipment switched off while not in use?	
3.9	Obtained approval for installation/alteration of furnace, oven or chimney consuming over 25L liquid fuel/hour, or 35kg solid fuel/hour, or 1150MJ gaseous fuel/hour?	
3.10	Obtained approval for the use of liquid fuel with a viscosity point of ignition >30 centistokes or an equivalent viscosity?	
3.11	Air pollution control system properly maintained and function normally?	
3.12	Dust collected by any air pollution control equipment installed by tenants tested to ensure compliance for landfill disposal?	
	a) Obtained approval for the use of controlled refrigerant?	✓ <u> </u>
	b) If yes, record of refrigeration equipment service available?	
3.13	Only ultra-low sulphur diesel is used for activities requiring liquid fuel?	<u> </u>
3.14	Public road around site entrance kept clean and free from dust?	
3.15	Materials transported on trucks covered?	✓ Not observed



3.16 Truck loads to a level within the side and tail boards?	✓ Not observed
3.17 Stockpiles of dusty materials covered or regularly watered?	No stockpile of dusty material is observed
3.18 Major dust source(s): Wind erosion Vehi	icle/equipment movement
Loading/unloading of materials	
4. Waste / Chemical Management	
General	N/A Yes No Remarks No chemical waste is
4.1 Registered as chemical waste producer?	observed observed
4.2 Sufficient receptacles (e.g. rubbish bins) available?	
4.3 Disposed of regularly and properly?	
4.4 Sorting of materials on-site for reuse or disposal to designated outlet?	
4.5 Records of quantities of waste generated, recycled and disposed properly kept?	✓ Verified via quarterly report
4.6 Collection of sludge by licensed collector at regular intervals?	
Packaging of Chemical Waste	
4.7 Stored in suitable container?	
4.8 Container properly closed or sealed?	
4.9 Spillage cleaned up immediately through the use of absorbent?	
4.10 Obtained approval for the use of chemical waste container >450L?	
Labelling of Chemical Waste	
4.11 Provision of chemical waste label?	
a) Label is securely attached and visible?	
b) Label is bilingual and in proper dimension?	
c) Information is accurate and sufficient?	
Storage of Chemical Waste	
4.12 Proper "Chemical Waste" sign displayed?	
4.13 Incompatible wastes separated by impermeable partition?	
4.14 Containers kept in cabinet or receptacle of suitable material (if quantity <50L), or provided with drip trays capable of storing 110% of the volume of the largest container (if quantity >50L)?	
4.15 Enclosed on 3 sides with no less than 2m in height or height of tallest container / stack of containers?	
4.16 Properly stored and locked in designated area with adequate ventilation?	
4.17 Storage area paved with concrete and kept clean and dry?	
4.18 Cover provided for outdoor storage area?	
4.19 Chemical waste collected by licensed collector?	
Liquid Waste Storage	
4.20 Storage area provided with permeation-proof floor or surface?	
4.21 Capacity of retention structure sufficient to accommodate contents of the largest container or 20% volume of the material in storage?	

#### SITE INSPECTION CHECKLIST



4.22 Walls or partitions of stacked container storage area constructed of impermeable material?	
<ul> <li>5. Landfill Gas (LFG) (within LFG Consultation Zone)</li> <li>5.1 Alert workers and visitors of possible LFG hazards?</li> <li>5.2 Smoking and open fires prohibited?</li> </ul>	N/A Yes No Remarks Outside LFG consultation zone
6. Others	N/A Yes No Remarks
6.1 Works confined within lot boundaries?	
6.2 Damage to surrounding areas avoided?	
6.3 Site lighting designed to avoid glare to surrounding receivers?	
6.4 Materials and machinery stored in an orderly manner?	
6.5 Areas within lot for recycling activities paved with concrete?	
6.6 Potential stagnant pools cleared and mosquito breeding prevented?	
6.7 Valid calibration certificate for any monitoring equipment?	Not provided
6.8 Valid licence(s) obtained for manufacture or storage of dangerous goods?	✓ Not required
a) Storage area in compliance with the approved plan?	
b) Storage area is securely locked?	
c) Total storage capacity in compliance with relevant statutory requirement?	
d) Proper labelling provided?	
e) Dangerous goods properly packaged?	

#### Remarks:

#### New Observations

• No major environmental deficiency was observed.

**Signatures:** 

ET Representative:

Name Ronan CHAN

Date: 2018/11/20

Operator Representative:

Name: Marchil

Date: 28 Non 2018

Tenant Representative:

Name: Terence Tsui

Date: 1 DEC 2018

IEC Representative:



	Inspection Date: 2018/12/13 Time: 10:15  Lot Number: P12 Tenant: South China	Inspected by:	Ronan CHAN
<u>Wea</u>	ther  Condition: Sunny ✓ Fine Overcast Drizzle  Temperature: 15 ℃ Humidity: High  Wind: Calm ✓ Light Breeze Strong	Rain  Moderate	Storm Hazy Low
1. G	<u>eneral</u>	N/A Yes	No Remarks
1.3 1.4 1.5	Environmental Permit (EP) for Tenant displayed at entrances/exits?  Environmental Policy documented?  Environmental Management Plan (EMP) kept up-to-date?  Emergency Response Plan (ERP) documented?  All recycling processes in operation have been approved by WRG of EPD?  Any record of complaint or prosecution?		EP for tenant is not required. UPML's Environmental Policy is followed  UPML's EMP is followed  UPML's ERP is followed
2. W	ater Quality	N/A Yes	No Remarks Prohibition of discharging wastewater to communal sewer by the
2.1	Valid Effluent Discharge Licence available?  a) Sampling record available?  b) Monitoring frequency met the licence requirement?  c) Monitoring result comply with the licence requirement?  d) If exceedance is recorded, any follow-up action taken?		enforcement unit of EPD  Discharge is suspended temporarily.
	Provision of wastewater treatment facility (WTF) prior to discharge?  a) Adequate capacity?  b) Properly maintained and function normally?		✓ Wastewater is tanked away.  Temporary storage in the underground storage tank      ✓ Wastewater is tanked away.
<ul><li>2.3</li><li>2.4</li><li>2.5</li><li>2.6</li></ul>	Surface run-off control measures in place and adequately maintained?  Surface run-off discharging into drainage system?  All manholes covered?  Foam, oil, grease, debris, rubbish and other objectionable matters prevented from entering nearby drains or sewer?		Manholes near the cleaning area are sealed  ✓ New Observation (1)
	Storage of materials and equipment located away from water bodies?  Drainage system well maintained to prevent flooding or overflow?		Stop-logs are available for use by tenant if needed.
2.11	process with potentially high level of contamination is carried out?  Equipment oil and lubrication replacements performed only in bunded maintenance area?  Contaminated water collected in the surface drainage system is treated at water treatment facility or other appropriate treatment facility?		Replacement activity is not observed  Wastewater is tanked away



2.13	Drainage from maintenance area discharged via oil interceptor?	✓ Wastewater is tanked away
	a) Oil and grease removed regularly?	
	b) Collected by licensed collector?	
	Follow Cargo Handling Guideline to minimise the chance of accidental spillage during loading and unloading adjacent to marine frontage?	✓ Not required
2.15	Bulk cargo and materials packed properly?	✓ Not required
2.16	Temporary stockpiles covered during rainstorms?	
2.17	Measures to prevent the washing away of sand/silt to drains?	No sand/silt is generated from the recycling process
3. Ai	r Quality	N/A Yes No Remarks
3.1	Valid Specified Process (SP) Licence available for all specified process?	
	a) SP Licence conditions / monitoring requirements comply?	
3.2	Operate without generation of noticeable odour?	
	a) If odour is detected, can the source be identified?	
	b) Odourous materials covered?	
	c) If odour control system is installed, is it operating normally?	
3.3	Dusty materials dampened prior to loading/unloading?	Dusty material is not observed
3.4	Dust monitoring record available?	✓ Not required
	a) Monitoring frequency met the licence requirement?	
	b) Any exceedance?	
	c) If exceedance is recorded, follow-up action taken?	
	Dust-suppression measures provided where main dust-generating activities take place (i.e. enclosures or regular dampening)?	Dust-generating activity is not observed
3.6	Open burning prohibited?	
3.7	Emission from chimney or powered plant free of black smoke?	
3.8	Vehicles and equipment switched off while not in use?	
	Obtained approval for installation/alteration of furnace, oven or chimney consuming over 25L liquid fuel/hour, or 35kg solid fuel/hour, or 1150MJ gaseous fuel/hour?	
	Obtained approval for the use of liquid fuel with a viscosity point of ignition >30 centistokes or an equivalent viscosity?	
3.11	Air pollution control system properly maintained and function normally?	
	Dust collected by any air pollution control equipment installed by tenants tested to ensure compliance for landfill disposal?	
	a) Obtained approval for the use of controlled refrigerant?	<b>/</b>
	b) If yes, record of refrigeration equipment service available?	✓ <u> </u>
3.13	Only ultra-low sulphur diesel is used for activities requiring liquid fuel?	<b>/</b>
3.14	Public road around site entrance kept clean and free from dust?	
3.15	Materials transported on trucks covered?	✓ Not observed



3.16 Truck loads to a level within the side and tail boards?	✓ Not observed					
3.17 Stockpiles of dusty materials covered or regularly watered?	No stockpile of dusty material is observed					
3.18 Major dust source(s): Wind erosion Ve	hicle/equipment movement					
Loading/unloading of materials ✓ Otl	hers: n/a					
4. Waste / Chemical Management						
<u>General</u>	N/A Yes No Remarks					
4.1 Registered as chemical waste producer?	No chemical waste is observed					
4.2 Sufficient receptacles (e.g. rubbish bins) available?						
4.3 Disposed of regularly and properly?						
4.4 Sorting of materials on-site for reuse or disposal to designated outlet?						
4.5 Records of quantities of waste generated, recycled and disposed properly kept?	✓ Verified via quarterly report					
4.6 Collection of sludge by licensed collector at regular intervals?						
Packaging of Chemical Waste						
4.7 Stored in suitable container?						
4.8 Container properly closed or sealed?						
4.9 Spillage cleaned up immediately through the use of absorbent?						
4.10 Obtained approval for the use of chemical waste container >450L?						
<u>Labelling of Chemical Waste</u>						
4.11 Provision of chemical waste label?	<b>/</b>					
a) Label is securely attached and visible?						
b) Label is bilingual and in proper dimension?						
c) Information is accurate and sufficient?						
Storage of Chemical Waste						
4.12 Proper "Chemical Waste" sign displayed?						
4.13 Incompatible wastes separated by impermeable partition?						
4.14 Containers kept in cabinet or receptacle of suitable material (if quantity <50L), or provided with drip trays capable of storing 110% of the volume of the largest container (if quantity >50L)?						
4.15 Enclosed on 3 sides with no less than 2m in height or height of tallest container / stack of containers?						
4.16 Properly stored and locked in designated area with adequate ventilation?						
4.17 Storage area paved with concrete and kept clean and dry?						
4.18 Cover provided for outdoor storage area?						
4.19 Chemical waste collected by licensed collector?						
Liquid Waste Storage						
4.20 Storage area provided with permeation-proof floor or surface?						
4.21 Capacity of retention structure sufficient to accommodate contents of the largest container or 20% volume of the material in storage?						

### SITE INSPECTION CHECKLIST



4.22	Walls or partitions of stacked container storage area constructed of impermeable material?	✓			
5.1	Alert workers and visitors of possible LFG hazards?  Smoking and open fires prohibited?	N/A	Yes	No	Remarks Outside LFG consultation zone
6. Others		N/A	Yes	No	Remarks
6.1	Works confined within lot boundaries?		<b>✓</b>		
6.2	Damage to surrounding areas avoided?		<b>✓</b>		
6.3	Site lighting designed to avoid glare to surrounding receivers?	<b>✓</b>			
6.4	Materials and machinery stored in an orderly manner?		$\checkmark$		
6.5	Areas within lot for recycling activities paved with concrete?		✓		
6.6	Potential stagnant pools cleared and mosquito breeding prevented?		$\checkmark$		
6.7	Valid calibration certificate for any monitoring equipment?	✓			Not provided
6.8	Valid licence(s) obtained for manufacture or storage of dangerous goods?	✓			Not required
	a) Storage area in compliance with the approved plan?	✓			
	b) Storage area is securely locked?	✓			
	c) Total storage capacity in compliance with relevant statutory requirement?	✓			
	d) Proper labelling provided?	✓			
	e) Dangerous goods properly packaged?	✓			

#### Remarks:

#### New Observations

1) Oil leakage was observed underneath a trailer and enters the stormwater drainage channel at the Eastern Lot Boundary. The tenant is requested to clear the spillage and ensure oil replacement activity to be carried out in bunded maintenance area.



(Observed on 13 December 2018)

#### SITE INSPECTION CHECKLIST



**Signatures:** 

ET Representative:

Operator Representative:

Tenant Representative:

IEC Representative:

Name: Ronan CHAN

Date: 2018/12/13

Name:

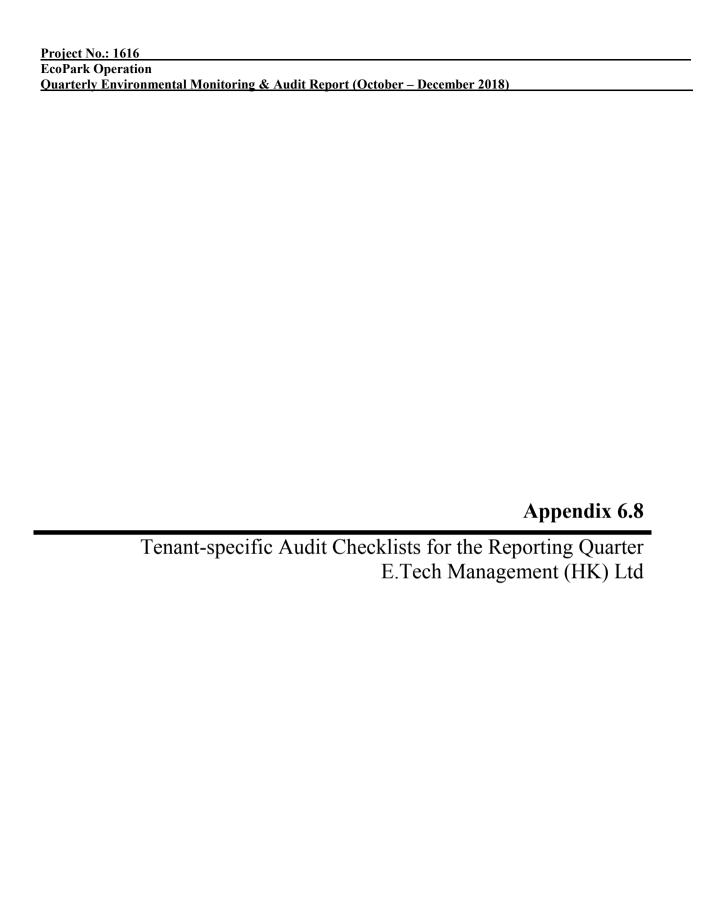
May Wu

Date: 24 -

Name: Terence Tsui

Date: 2 JAN 2019

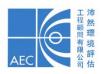
Name: Preseld Kon Date: 24-Dee-2018



Issue 1\_\_\_\_\_AEC



	Inspection Date:         2018/10/24         Time:         11:15           Lot Number:         P14         Tenant:         E.Tech	Inspec	ted by:		n CHAN I TSANG			
Weat	Weather							
	Condition: Sunny Fine Vovercast Drizzle	Rain			Storm	Hazy		
	Temperature: 26 °C Humidity: High ✓ Wind: ✓ Calm Light Breeze Strong	Moder	rate		Low			
1. Ge	nera <u>l</u>	N/A	Yes	No	Remarks			
1.1	Environmental Permit (EP) for Tenant displayed at entrances/exits?	<b>√</b>			EP for tenar required.			
1.2	Environmental Policy documented?	<b>√</b>			UPML's En			
1.3	Environmental Management Plan (EMP) kept up-to-date?	<b>√</b>			UPML's EM	IP is followed		
1.4	Emergency Response Plan (ERP) documented?	<b>√</b>			UPML's ER	P is followed		
	(a) Drill or training records available?	<b>√</b>			provision	enant s		
1.5	All recycling processes in operation have been approved by WFBU?		<b>√</b>					
1.6	Any record of complaint or prosecution?			✓				
2 11/	-t O114	N/A	Yes	No	Remarks			
<u> 2. VV</u>	ater Quality	IN/A	1 es	NO	No wastewate	r is generated		
2.1	Valid Effluent Discharge Licence available?	$\checkmark$			from recycling	g process		
	a) Sampling record available?	<b>✓</b>						
	b) Monitoring frequency met the licence requirement?	<b>✓</b>						
	c) Monitoring result comply with the licence requirement?	<b>✓</b>						
	d) If exceedance is recorded, any follow-up action taken?	<b>✓</b>						
2.2	Provision of wastewater treatment facility (WTF) prior to discharge?	<b>✓</b>						
	a) Adequate capacity?	✓						
	b) Properly maintained and function normally?	✓						
2.3	Surface run-off control measures in place and adequately maintained?		✓					
2.4	Surface run-off discharging into drainage system?		✓					
2.5	All manholes covered?		✓					
2.6	Foam, oil, grease, debris, rubbish and other objectionable matters prevented from entering nearby drains or sewer?		✓					
2.7	Storage of materials and equipment located away from water bodies?		✓					
2.8	Drainage system well maintained to prevent flooding or overflow?		✓					
2.9	Processes or activities with high risk of contamination located under covered area?		✓		Stop loss :-	e available for		
2.10	Installation of stop-logs in perimeter drainage system for uncovered areas where recovery process with potentially high level of contamination is carried out?	<b>✓</b>			use by tenar	nt if needed.		
2.11	Equipment oil and lubrication replacements performed only in bunded maintenance area?	<b>√</b>			Replacemen observed	nt activity is not		



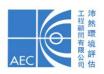
2.12	Contaminated water collected in the surface drainage system is treated at water treatment facility or other appropriate treatment facility?	<b>√</b>			No contaminated water is observed
2.13	Drainage from maintenance area discharged via oil interceptor?	<b>✓</b>			Not required
	a) Oil and grease removed regularly?	✓			Not required
	b) Collected by licensed collector?	✓			Not required
2.14	Follow Cargo Handling Guideline to minimise the chance of accidental spillage during loading and unloading adjacent to marine frontage?	<b>√</b>			Not required
2.15	Bulk cargo and materials packed properly?	✓			N. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.
2.16	Temporary stockpiles covered during rainstorms?	✓			No dusty stockpile is observed
2.17	Measures to prevent the washing away of sand/silt to drains?	<b>√</b>			No sand/silt is generated from the recycling process
3. Ai	r Quality	N/A	Yes	No	Remarks
3.1	Valid Specified Process (SP) Licence available for all specified process?	✓			Not required
	a) SP Licence conditions / monitoring requirements comply?	$\checkmark$			
3.2	Operate without generation of noticeable odour?		<b>√</b>		
	a) If odour is detected, can the source be identified?	<b>✓</b>			
	b) Odourous materials covered?	✓			
	c) If odour control system is installed, is it operating normally?	✓			
3.3	Dusty materials dampened prior to loading/unloading?	✓			No loading/unloading of dusty materials is observed
3.4	Dust monitoring record available?	✓			Not required
	a) Monitoring frequency met the licence requirement?	✓			
	b) Any exceedance?	✓			
	c) If exceedance is recorded, follow-up action taken?	✓			
3.5	Dust-suppression measures provided where main dust-generating activities take place (i.e. enclosures or regular dampening)?		<b>√</b>		Crusher is enclosed and connected to dust collector
3.6	Open burning prohibited?		<b>√</b>		
3.7	Emission from chimney or powered plant free of black smoke?		<b>√</b>		
3.8	Vehicles and equipment switched off while not in use?		<b>√</b>		
3.9	Obtained approval for installation/alteration of furnace, oven or chimney consuming over 25L liquid fuel/hour, or 35kg solid fuel/hour, or 1150MJ gaseous fuel/hour?	<b>√</b>			Not required
3.10	Obtained approval for the use of liquid fuel with a viscosity point of ignition >30 centistokes or an equivalent viscosity?	<b>√</b>			Not required
3.11	Air pollution control system properly maintained and function normally?		<b>√</b>		
3.12	Dust collected by any air pollution control equipment installed by tenants tested to ensure compliance for landfill disposal?	<b>√</b>			
	a) Obtained approval for the use of controlled refrigerant?	<b>✓</b>			
	b) If yes, record of refrigeration equipment service available?	✓			
3.13	Only ultra-low sulphur diesel is used for activities requiring liquid fuel?	<b>✓</b>			
3.14	Public road around site entrance kept clean and free from dust?		<b>√</b>		



3.15	Materials transported on trucks covered?	✓		Not Observed
3.16	Truck loads to a level within the side and tail boards?	✓		Not Observed
3.17	Stockpiles of dusty materials covered or regularly watered?	✓		No stockpile of dusty material is observed
3.18	Major dust source(s): Wind erosion	Vehicle/e	equipment mo	vement
	Loading/unloading of materials	✓ Others:	n/a	
4. Wa	aste / Chemical Management			
Gene	r <u>al</u>	N/A	Yes No	Remarks
4.1	Registered as chemical waste producer?			]
4.2	Sufficient receptacles (e.g. rubbish bins) available?			]
4.3	Disposed of regularly and properly?		<b>✓</b>	]
4.4	Sorting of materials on-site for reuse or disposal to designated outlet?		<b>V</b>	]
4.5	Records of quantities of waste generated, recycled and disposed properly kept?		<b>V</b>	To be verified via quarterly report
4.6	Collection of sludge by licensed collector at regular intervals?	✓		Not required
Packa	aging of Chemical Waste			
4.7	Stored in suitable container?		<b>✓</b>	]
4.8	Container properly closed or sealed?		<b>V</b>	]
4.9	Spillage cleaned up immediately through the use of absorbent?	✓		No spillage observed
4.10	Obtained approval for the use of chemical waste container >450L?	✓		<u> </u>
Label	ling of Chemical Waste			
4.11	Provision of chemical waste label?		<b>/</b>	<u> </u>
	a) Label is securely attached and visible?		<b>V</b>	]
	b) Label is bilingual and in proper dimension?		<b>/</b>	]
	c) Information is accurate and sufficient?		<b>✓</b>	]
Stora	ge of Chemical Waste			
4.12	Proper "Chemical Waste" sign displayed?			
4.13	Incompatible wastes separated by impermeable partition?	✓		Incompatible wastes are not observed
4.14	Containers kept in cabinet or receptacle of suitable material (if quantity <50L), or provided with drip trays capable of storing 110% of the volume of the largest co		tity >50L)?	]
4.15	Enclosed on 3 sides with no less than 2m in height or height of tallest container of containers?	/stack	<b>/</b>	]
4.16	Properly stored and locked in designated area with adequate ventilation?			]
4.17	Storage area paved with concrete and kept clean and dry?			
4.18	Cover provided for outdoor storage area?			]
4.19	Chemical waste collected by licensed collector?			]
<u>Liqui</u>	d Waste Storage			
4.20	Storage area provided with permeation-proof floor or surface?	✓		No storage of liquid waste



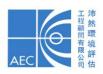
4.21	Capacity of retention structure suffic container or 20% volume of the mate		ents of the largest	<b>✓</b>		No storage of liquid waste
4.22	Walls or partitions of stacked contain	ner storage area construct	ed of impermeable materia	al? 🗸		No storage of liquid waste
5. La	andfill Gas (LFG) (within LFG Cons	ultation Zone)		N/A	Yes No	Remarks Outside LFG consultation
5.1	Alert workers and visitors of possible	e LFG hazards?		✓		zone
5.2	Smoking and open fires prohibited?				<b>√</b>	]
<u>6. Ot</u>	<u>thers</u>			N/A	Yes No	Remarks
6.1	Works confined within lot boundarie	s?			<b>√</b>	]
6.2	Damage to surrounding areas avoide	1?			<b>√</b>	]
6.3	Site lighting designed to avoid glare	to surrounding receivers?		<b>✓</b>		]
6.4	Materials and machinery stored in an	orderly manner?			<b>√</b>	]
6.5	Areas within lot for recycling activiti	es paved with concrete?			<b>√</b>	]
6.6	Potential stagnant pools cleared and	mosquito breeding preven	nted?		<b>√</b>	]
6.7	Valid calibration certificate for any n	nonitoring equipment?		<b>✓</b>		Not required
6.8	Valid licence(s) obtained for manufa	cture or storage of danger	ous goods?	✓		Not required
	a) Storage area in compliance with th	e approved plan?		<b>✓</b>		]
	b) Storage area is securely locked?			<b>V</b>		
	c) Total storage capacity in complian	ce with relevant statutory	requirement?	<b>✓</b>		]
	d) Proper labelling provided?			<b>✓</b>		]
	e) Dangerous goods properly package	ed?		<b>V</b>		]
Rem	arks:					
	<u>Observations</u>					
	No major environmental deficiency v	vas observed.				
Sign	atures:					
ET R	depresentative: Opera	tor Representative:	Tenant Representat	tive:	IEC R	epresentative:
_						
Name	: Ronan CHAN Name	24-1-20/-	Name TONY (	5171	Name:	
Date:	2018/10/24 Date:	- 8 NOV 2018	Date: 12_/1//8	?	Date:	



	Inspection Date:         2018/11/20         Time:         12:05           Lot Number:         P14         Tenant:         E.Tech	Inspected by:	Ronan	CHAN
<u>Wea</u>	ther  Condition: Sunny ✓ Fine Overcast Drizzle  Temperature: 25 ℃ Humidity: High  Wind: ✓ Calm Light Breeze Strong	Rain  ✓ Moderate	=	Storm Hazy Low
1. G	eneral	N/A Yes	No	Remarks
1.3 1.4 1.5	Environmental Permit (EP) for Tenant displayed at entrances/exits?  Environmental Policy documented?  Environmental Management Plan (EMP) kept up-to-date?  Emergency Response Plan (ERP) documented?  All recycling processes in operation have been approved by WRG of EPD?  Any record of complaint or prosecution?			EP for tenant is not required.  UPML's Environmental Policy is followed  UPML's EMP is followed  UPML's ERP is followed
2. W	ater Quality	N/A Yes	No	Remarks
2.1	Valid Effluent Discharge Licence available?	<b>✓</b>		No wastewater is generated from recycling process
	a) Sampling record available?	<b>✓</b>		
	b) Monitoring frequency met the licence requirement?	<b>✓</b>		
	c) Monitoring result comply with the licence requirement?	<b>✓</b>		
	d) If exceedance is recorded, any follow-up action taken?	<b>✓</b>		
2.2	Provision of wastewater treatment facility (WTF) prior to discharge?	<b>✓</b>		
	a) Adequate capacity?	✓		
	b) Properly maintained and function normally?	<b>✓</b>		
2.3	Surface run-off control measures in place and adequately maintained?			
2.4	Surface run-off discharging into drainage system?			
2.5	All manholes covered?			
2.6	Foam, oil, grease, debris, rubbish and other objectionable matters prevented from entering nearby drains or sewer?			
2.7	Storage of materials and equipment located away from water bodies?			
2.8	Drainage system well maintained to prevent flooding or overflow?			
2.9	Processes or activities with high risk of contamination located under covered area?			
2.10	Installation of stop-logs in perimeter drainage system for uncovered areas where recovery process with potentially high level of contamination is carried out?	<b>✓</b>		Stop-logs are available for use by tenant if needed
2.11	Equipment oil and lubrication replacements performed only in bunded maintenance area?	<b>✓</b>		Replacement activity is not observed
2.12	Contaminated water collected in the surface drainage system is treated at water treatment facility or other appropriate treatment facility?	<b>✓</b>		No contaminated water is observed



2.13	Drainage from maintenance area discharged via oil interceptor?	✓ □ □	Not required
	a) Oil and grease removed regularly?		
	b) Collected by licensed collector?		
2.14	Follow Cargo Handling Guideline to minimise the chance of accidental spillage during loading and unloading adjacent to marine frontage?	<b>/</b>	Not required
2.15	Bulk cargo and materials packed properly?		
2.16	Temporary stockpiles covered during rainstorms?		No dusty stockpile is observed
2.17	Measures to prevent the washing away of sand/silt to drains?	<u> </u>	No sand/silt is generated from the recycling process
3. Ai	r Quality	N/A Yes No	Remarks
3.1	Valid Specified Process (SP) Licence available for all specified process?		Not required
	a) SP Licence conditions / monitoring requirements comply?	✓ □ □	
3.2	Operate without generation of noticeable odour?		
	a) If odour is detected, can the source be identified?	✓ □ □	
	b) Odourous materials covered?		
	c) If odour control system is installed, is it operating normally?		
3.3	Dusty materials dampened prior to loading/unloading?		No loading/unloading of dusty materials is observed
3.4	Dust monitoring record available?		Not required
	a) Monitoring frequency met the licence requirement?		
	b) Any exceedance?		
	c) If exceedance is recorded, follow-up action taken?		
3.5	Dust-suppression measures provided where main dust-generating activities take place (i.e. enclosures or regular dampening)?		Shredder is enclosed and connected with dust collector with filter
3.6	Open burning prohibited?		
3.7	Emission from chimney or powered plant free of black smoke?		
3.8	Vehicles and equipment switched off while not in use?		
3.9	Obtained approval for installation/alteration of furnace, oven or chimney consuming over 25L liquid fuel/hour, or 35kg solid fuel/hour, or 1150MJ gaseous fuel/hour?	<u> </u>	Not required
3.10	Obtained approval for the use of liquid fuel with a viscosity point of ignition >30 centistokes or an equivalent viscosity?	<b>/</b>	Not required
3.11	Air pollution control system properly maintained and function normally?		
3.12	Dust collected by any air pollution control equipment installed by tenants tested to ensure compliance for landfill disposal?	<b>/</b>	
	a) Obtained approval for the use of controlled refrigerant?		
	b) If yes, record of refrigeration equipment service available?		
3.13	Only ultra-low sulphur diesel is used for activities requiring liquid fuel?		
3.14	Public road around site entrance kept clean and free from dust?		
3.15	Materials transported on trucks covered?		Not Observed



<ul><li>3.16 Truck loads to a level within the side and tail boards?</li><li>3.17 Stockpiles of dusty materials covered or regularly watered?</li></ul>		Not Observed  No stockpile of dusty material is observed
3.18 Major dust source(s): Wind erosion Vo	ehicle/equipment movem	ent
Loading/unloading of materials	others: n/a	
4. Waste / Chemical Management		
General	N/A Yes No	Remarks
4.1 Registered as chemical waste producer?		
4.2 Sufficient receptacles (e.g. rubbish bins) available?		
4.3 Disposed of regularly and properly?		
4.4 Sorting of materials on-site for reuse or disposal to designated outlet?		
4.5 Records of quantities of waste generated, recycled and disposed properly kept?		To be verified via quarterly report
4.6 Collection of sludge by licensed collector at regular intervals?	✓	Not required
Packaging of Chemical Waste		
4.7 Stored in suitable container?		
4.8 Container properly closed or sealed?		
4.9 Spillage cleaned up immediately through the use of absorbent?		No spillage observed
4.10 Obtained approval for the use of chemical waste container >450L?		
Labelling of Chemical Waste		
4.11 Provision of chemical waste label?		
a) Label is securely attached and visible?		
b) Label is bilingual and in proper dimension?		
c) Information is accurate and sufficient?		
Storage of Chemical Waste		
4.12 Proper "Chemical Waste" sign displayed?		
4.13 Incompatible wastes separated by impermeable partition?		Incompatible wastes are not observed
4.14 Containers kept in cabinet or receptacle of suitable material (if quantity <50L), or provided with drip trays capable of storing 110% of the volume of the largest container (if quantity >50L)?	<b>✓</b>	
4.15 Enclosed on 3 sides with no less than 2m in height or height of tallest container / stack of containers?		
4.16 Properly stored and locked in designated area with adequate ventilation?		
4.17 Storage area paved with concrete and kept clean and dry?		
4.18 Cover provided for outdoor storage area?		
4.19 Chemical waste collected by licensed collector?		
Liquid Waste Storage		
4.20 Storage area provided with permeation-proof floor or surface?		No storage of liquid waste
4.21 Capacity of retention structure sufficient to accommodate contents of the largest container or 20% volume of the material in storage?	<b>/</b>	No storage of liquid waste

### SITE INSPECTION CHECKLIST



4.22	Walls or partitions of stacked container storage area constructed of impermeable material?	✓			No storage of liquid waste
<u>5. La</u>	andfill Gas (LFG) (within LFG Consultation Zone)	N/A	Yes	No	Remarks
5.1	Alert workers and visitors of possible LFG hazards?	<b>√</b>			Outside LFG consultation zone
5.2	Smoking and open fires prohibited?		✓		
<u>6. O</u>	thers	N/A	Yes	No	Remarks
6.1	Works confined within lot boundaries?		<b>√</b>		
6.2	Damage to surrounding areas avoided?		✓		
6.3	Site lighting designed to avoid glare to surrounding receivers?	✓			
6.4	Materials and machinery stored in an orderly manner?		✓		
6.5	Areas within lot for recycling activities paved with concrete?		✓		
6.6	Potential stagnant pools cleared and mosquito breeding prevented?		✓		
6.7	Valid calibration certificate for any monitoring equipment?	✓			Not required
6.8	Valid licence(s) obtained for manufacture or storage of dangerous goods?	✓			Not required
	a) Storage area in compliance with the approved plan?	✓			
	b) Storage area is securely locked?	✓			
	c) Total storage capacity in compliance with relevant statutory requirement?	✓			
	d) Proper labelling provided?	<b>√</b>			
	e) Dangerous goods properly packaged?	<b>√</b>			,

### Remarks:

### New Observations

· No major environmental deficiency was observed.

**Signatures:** 

ET Representative:

Name: Ronan CHAN

Date: 2018/11/20

Operator Representative:

Name:

May Wu

Date: 2 8 NOV 2018

/

Tenant Representative:

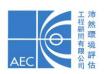
Name: TONY T 9K

Date: 29/1/18

IEC Representative:

Name: Gerald Kom

Date: 2018 - NOV-27



	Inspection Date:         2018/12/13         Time:         11:30           Lot Number:         P14         Tenant:         E.Tech	Inspected by:	Ronan CHAN
<u>Wea</u>	ther  Condition: Sunny ✓ Fine Overcast Drizzle  Temperature: 15 ℃ Humidity: High  Wind: Calm ✓ Light Breeze Strong	Rain  ✓ Moderate	Storm Hazy Low
1. G	<u>eneral</u>	N/A Yes	No Remarks
1.2	•		EP for tenant is not required.  UPML's Environmental Policy is followed
	Environmental Management Plan (EMP) kept up-to-date?  Emergency Response Plan (ERP) documented?	✓	UPML's EMP is followed  UPML's ERP is followed
	All recycling processes in operation have been approved by WRG of EPD?  Any record of complaint or prosecution?		
2. W	ater Quality	N/A Yes	No Remarks
2.1	Valid Effluent Discharge Licence available?	<b>✓</b>	No wastewater is generated from recycling process
	a) Sampling record available?	<b>✓</b>	
	b) Monitoring frequency met the licence requirement?	<b>✓</b>	
	c) Monitoring result comply with the licence requirement?	<b>✓</b>	
	d) If exceedance is recorded, any follow-up action taken?	<b>✓</b>	
2.2	Provision of wastewater treatment facility (WTF) prior to discharge?	<b>√</b>	
	a) Adequate capacity?	<b>✓</b>	
	b) Properly maintained and function normally?	<b>✓</b>	
2.3	Surface run-off control measures in place and adequately maintained?	✓	
2.4	Surface run-off discharging into drainage system?	✓	
2.5	All manholes covered?	✓	
2.6	Foam, oil, grease, debris, rubbish and other objectionable matters prevented from entering nearby drains or sewer?		
2.7	Storage of materials and equipment located away from water bodies?		
2.8	Drainage system well maintained to prevent flooding or overflow?		
2.9	Processes or activities with high risk of contamination located under covered area?	✓	
2.10	Installation of stop-logs in perimeter drainage system for uncovered areas where recovery process with potentially high level of contamination is carried out?	✓	Stop-logs are available for use by tenant if needed
2.11	Equipment oil and lubrication replacements performed only in bunded maintenance area?	<b>✓</b>	Replacement activity is not observed
2.12	Contaminated water collected in the surface drainage system is treated at water treatment facility or other appropriate treatment facility?	<b>✓</b>	No contaminated water is observed



2.13	Drainage from maintenance area discharged via oil interceptor?	✓	Not required
	a) Oil and grease removed regularly?	✓ □ □	
	b) Collected by licensed collector?	✓	
2.14	Follow Cargo Handling Guideline to minimise the chance of accidental spillage during loading and unloading adjacent to marine frontage?		Not required
2.15	Bulk cargo and materials packed properly?	✓ <u> </u>	
2.16	Temporary stockpiles covered during rainstorms?	✓ <u> </u>	No dusty stockpile is observed
2.17	Measures to prevent the washing away of sand/silt to drains?	✓ <u> </u>	No sand/silt is generated from the recycling process
3. Ai	r Quality	N/A Yes No	Remarks
3.1	Valid Specified Process (SP) Licence available for all specified process?	✓ □ □	Not required
	a) SP Licence conditions / monitoring requirements comply?	✓	
3.2	Operate without generation of noticeable odour?		
	a) If odour is detected, can the source be identified?	✓	
	b) Odourous materials covered?	✓	
	c) If odour control system is installed, is it operating normally?	✓	
3.3	Dusty materials dampened prior to loading/unloading?	✓ <u> </u>	No loading/unloading of dusty materials is observed
3.4	Dust monitoring record available?	✓ <u> </u>	Not required
	a) Monitoring frequency met the licence requirement?	✓	
	b) Any exceedance?	✓	
	c) If exceedance is recorded, follow-up action taken?	✓ □ □	
3.5	Dust-suppression measures provided where main dust-generating activities take place (i.e. enclosures or regular dampening)?		Shredder is enclosed and connected with dust collector with filter
3.6	Open burning prohibited?		
3.7	Emission from chimney or powered plant free of black smoke?		
3.8	Vehicles and equipment switched off while not in use?		
3.9	Obtained approval for installation/alteration of furnace, oven or chimney consuming over 25L liquid fuel/hour, or 35kg solid fuel/hour, or 1150MJ gaseous fuel/hour?	<b>V</b>	Not required
3.10	Obtained approval for the use of liquid fuel with a viscosity point of ignition >30 centistokes or an equivalent viscosity?	<b>/</b>	Not required
3.11	Air pollution control system properly maintained and function normally?		
3.12	Dust collected by any air pollution control equipment installed by tenants tested to ensure compliance for landfill disposal?	<b>V</b>	
	a) Obtained approval for the use of controlled refrigerant?	✓ <u> </u>	
	b) If yes, record of refrigeration equipment service available?	✓	
3.13	Only ultra-low sulphur diesel is used for activities requiring liquid fuel?	✓	
3.14	Public road around site entrance kept clean and free from dust?		
3.15	Materials transported on trucks covered?		Not Observed



3.16 Truck loads to a level within the side and tail boards?	Not Observed No stockpile of dusty material is observed
3.17 Stockpiles of dusty materials covered or regularly watered?	
3.18 Major dust source(s):  Wind erosion  Loading/unloading of materials	Vehicle/equipment movement  Others: n/a
Loading/unloading of materials	Others: III/a
4. Waste / Chemical Management	
General	N/A Yes No Remarks
4.1 Registered as chemical waste producer?	
4.2 Sufficient receptacles (e.g. rubbish bins) available?	
4.3 Disposed of regularly and properly?	
4.4 Sorting of materials on-site for reuse or disposal to designated outlet?	
4.5 Records of quantities of waste generated, recycled and disposed properly kept?	To be verified via quarterly report
4.6 Collection of sludge by licensed collector at regular intervals?	Not required
Packaging of Chemical Waste	
4.7 Stored in suitable container?	
4.8 Container properly closed or sealed?	
4.9 Spillage cleaned up immediately through the use of absorbent?	✓ No spillage observed
4.10 Obtained approval for the use of chemical waste container >450L?	
<u>Labelling of Chemical Waste</u>	
4.11 Provision of chemical waste label?	
a) Label is securely attached and visible?	
b) Label is bilingual and in proper dimension?	
c) Information is accurate and sufficient?	
Storage of Chemical Waste	
4.12 Proper "Chemical Waste" sign displayed?	
4.13 Incompatible wastes separated by impermeable partition?	Incompatible wastes are not observed
4.14 Containers kept in cabinet or receptacle of suitable material (if quantity <50L), or provided with drip trays capable of storing 110% of the volume of the largest container	(if quantity >50L)?
4.15 Enclosed on 3 sides with no less than 2m in height or height of tallest container / stack of containers?	
4.16 Properly stored and locked in designated area with adequate ventilation?	
4.17 Storage area paved with concrete and kept clean and dry?	
4.18 Cover provided for outdoor storage area?	
4.19 Chemical waste collected by licensed collector?	
Liquid Waste Storage	
4.20 Storage area provided with permeation-proof floor or surface?	✓ No storage of liquid waste
4.21 Capacity of retention structure sufficient to accommodate contents of the largest container or 20% volume of the material in storage?	✓ No storage of liquid waste

### SITE INSPECTION CHECKLIST



4.22	Walls or partitions of stacked container storage area constructed of impermeable material?	No storage of liquid waste
5. La	andfill Gas (LFG) (within LFG Consultation Zone)	N/A Yes No Remarks
5.1	Alert workers and visitors of possible LFG hazards?	Outside LFG consultation zone
5.2	Smoking and open fires prohibited?	
<u>6. Ot</u>	<u>hers</u>	N/A Yes No Remarks
6.1	Works confined within lot boundaries?	
6.2	Damage to surrounding areas avoided?	
6.3	Site lighting designed to avoid glare to surrounding receivers?	
6.4	Materials and machinery stored in an orderly manner?	
6.5	Areas within lot for recycling activities paved with concrete?	
6.6	Potential stagnant pools cleared and mosquito breeding prevented?	
6.7	Valid calibration certificate for any monitoring equipment?	✓ Not required
6.8	Valid licence(s) obtained for manufacture or storage of dangerous goods?	✓ Not required
	a) Storage area in compliance with the approved plan?	
	b) Storage area is securely locked?	
	c) Total storage capacity in compliance with relevant statutory requirement?	
	d) Proper labelling provided?	
	e) Dangerous goods properly packaged?	
Rem	arks:	
New	<u>Observations</u>	
•	No major environmental deficiency was observed.	
Sign	atures:	
ET R	epresentative: Operator Representative: Tenant Representa	ative: IEC Representative:

Page 4 of 4

Name:

Date:

Name:

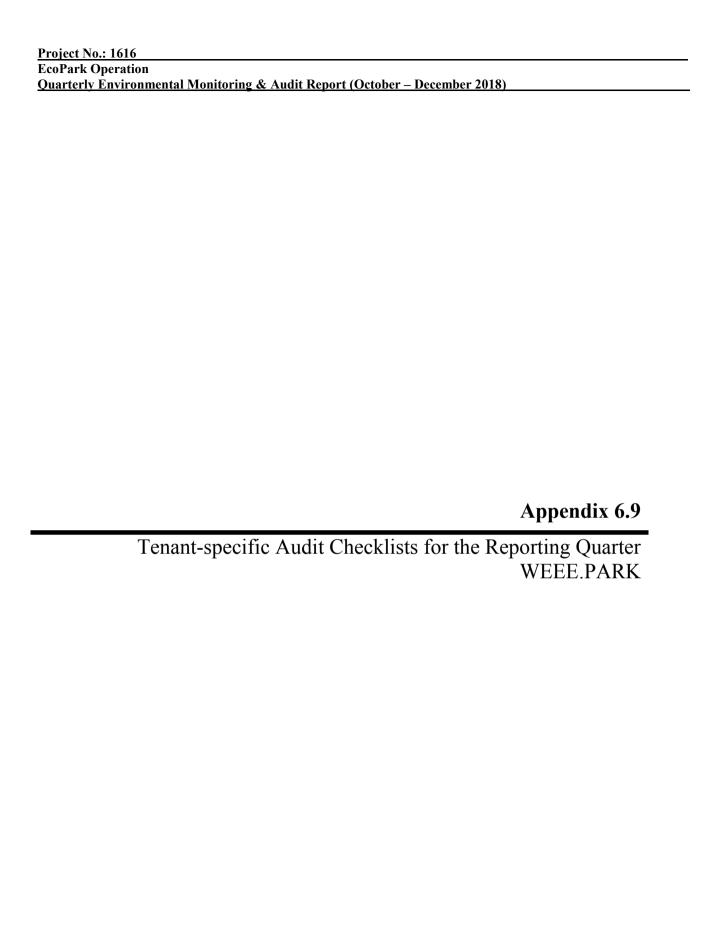
Date:

Name: Ronan CHAN

Date: 2018/12/13

May Wu

21 - Dec 2018



Issue 1\_\_\_\_\_AEC



	Inspection Date: 2018/10/24 Time: 12:30  Lot Number: P2, P3 & P4 Tenant: WEEE.PARK	Inspected by: Ronan CHAN David TSANG
Weat	her     Condition: Sunny Fine ✓ Overcast Drizzle   Temperature: 26 °C Humidity: High   Wind: ✓ Calm Light Breeze Strong	Rain Storm Hazy  Moderate Low
<u>1. Ge</u>		N/A Yes No Remarks EP for tenant is not
1.1	Environmental Permit (EP) for Tenant displayed at entrances/exits?	required.
1.2	Environmental Policy documented?	
1.3	Environmental Management Plan (EMP) kept up-to-date?	In-house Emergency Procedure
1.4	Emergency Response Plan (ERP) documented?	Plan was applied.
	(a) Drill or training records available?	
1.5	All recycling processes in operation have been approved by WFBU?	
1.6	Any record of complaint or prosecution?	
2. Wa	ater Quality	N/A Yes No Remarks
2.1	Valid Effluent Discharge Licence available?	
	a) Sampling record available?	Self-monitoring when
	b) Monitoring frequency met the licence requirement?	required
	c) Monitoring result comply with the licence requirement?	
	d) If exceedance is recorded, any follow-up action taken?	
2.2	Provision of wastewater treatment facility (WTF) prior to discharge?	via petrol interceptor
	a) Adequate capacity?	
	b) Properly maintained and function normally?	
2.3	Surface run-off control measures in place and adequately maintained?	
2.4	Surface run-off discharging into drainage system?	
2.5	All manholes covered?	
2.6	Foam, oil, grease, debris, rubbish and other objectionable matters prevented from entering nearby drains or sewer?	
2.7	Storage of materials and equipment located away from water bodies?	
2.8	Drainage system well maintained to prevent flooding or overflow?	
2.9	Processes or activities with high risk of contamination located under covered area?	Stop-logs are available for
2.10	Installation of stop-logs in perimeter drainage system for uncovered areas where recovery process with potentially high level of contamination is carried out?	
2.11	Equipment oil and lubrication replacements performed only in bunded maintenance area	



2.12	Contaminated water collected in the surface drainage system is treated at water treatment facility or other appropriate treatment facility?	<b>✓</b>	No contaminated water is observed
2.13	Drainage from fuel dispensing area discharged via oil interceptor?	<b> </b>	
	a) Oil and grease removed regularly?	<b>/</b>	Not observed
	b) Collected by licensed collector?	<b>/</b>	
2.14	Follow Cargo Handling Guideline to minimise the chance of accidental spillage during loading and unloading adjacent to marine frontage?	<b>/</b>	Not required
2.15	Bulk cargo and materials packed properly?		No. 1 of the least
2.16	Temporary stockpiles covered during rainstorms?	<b>/</b>	No dusty stockpile is observed
2.17	Measures to prevent the washing away of sand/silt to drains?	✓	No sand/silt is generated from the recycling process
3. Air	· Quality	N/A Yes No	Remarks
3.1	Valid Specified Process (SP) Licence available for all specified process?	<b>✓</b>	Not required
	a) SP Licence conditions / monitoring requirements comply?	<b>✓</b>	
3.2	Operate without generation of noticeable odour?		
	a) If odour is detected, can the source be identified?	✓	
	b) Odourous materials covered?	<b>/</b>	
	c) If odour control system is installed, is it operating normally?	✓	-
3.3	Dusty materials dampened prior to loading/unloading?	<b>/</b>	Dusty material is not observed
3.4	Air monitoring record available?		
	a) Monitoring frequency met the licence requirement?		Requirements stipulated in Compliance Audit Report
	b) Any exceedance?		Against AQO/USEPA
	c) If exceedance is recorded, follow-up action taken?	<b>√</b> □ □	
3.5	Suppression measures provided where main pollutant-generating activities take place (i.e. enclosures or regular dampening)?		Use of localised hood and extraction system with HEPA filter for CRT Recovery
3.6	Open burning prohibited?		
3.7	Emission from chimney or powered plant free of black smoke?		
3.8	Vehicles and equipment switched off while not in use?		
3.9	Obtained approval for installation/alteration of furnace, oven or chimney consuming over 25L liquid fuel/hour, or 35kg solid fuel/hour, or 1150MJ gaseous fuel/hour?		
3.10	Obtained approval for the use of liquid fuel with a viscosity point of ignition >30 centistokes or an equivalent viscosity?	<b>/</b>	
3.11	Air pollution control system properly maintained and function normally?	<b> </b>	
3.12	Filtered dust/ fluorescent powder from any air pollution control equipment installed by tenants disposed of as chemical waste?		
	a) Obtained approval for the use of controlled refrigerant?	✓	
	b) If yes, record of refrigeration equipment service available?	✓	
3.13	Only ultra-low sulphur diesel is used for activities requiring liquid fuel?		
3.14	Public road around site entrance kept clean and free from dust?		



3.15	Materials transported on trucks covered?	$\checkmark$			Not observed
3.16	Truck loads to a level within the side and tail boards?	$\checkmark$			Not observed
3.17	Stockpiles of dusty materials covered or regularly watered?	<b>√</b>			No stockpile of dusty material is observed
3.18	Major dust source(s): Wind erosion Ve	hicle/eq	uipmer	nt move	ement
	Loading/unloading of materials	hers:	n/a		
3.19	Shredding, crushing and sorting processes including CRT dismantling are carried out in		<b>√</b>		
	enclosed structure(s)?				
4. Wa	aste / Chemical Management				
Gener	r <u>al</u>	N/A	Yes	No	Remarks
4.1	Registered as chemical waste producer?		<b>√</b>		
4.2	Sufficient receptacles (e.g. rubbish bins) available?		<b>√</b>		
4.3	Disposed of regularly and properly?		<b>√</b>		
4.4	Sorting of materials on-site for reuse or disposal to designated outlet?		✓		Verified via quarterly
4.5	Records of quantities of waste generated, recycled and disposed properly kept?		<b>√</b>		report
4.6	Collection of sludge by licensed collector at regular intervals?	✓			Not required
Packa	iging of Chemical Waste				
4.7	Stored in suitable container?		✓		
4.8	Container properly closed or sealed?		<b>√</b>		
4.9	Spillage cleaned up immediately through the use of absorbent?	✓			
4.10	Obtained approval for the use of chemical waste container >450L?	✓			
<u>Label</u>	ling of Chemical Waste				
4.11	Provision of chemical waste label?		✓		
	a) Label is securely attached and visible?		<b>√</b>		
	b) Label is bilingual and in proper dimension?		<b>√</b>		
	c) Information is accurate and sufficient?		<b>√</b>		
Storag	ge of Chemical Waste				
4.12	Proper "Chemical Waste" sign displayed?		✓		
4.13	Incompatible wastes separated by impermeable partition?	$\checkmark$			Not observed
4.14	Containers kept in cabinet or receptacle of suitable material (if quantity <50L), or provided with drip trays capable of storing 110% of the volume of the largest container (if quantity >				; <del></del>
4.15	Enclosed on 3 sides with no less than 2m in height or height of tallest container / stack of containers?		✓		
4.16	Properly stored and locked in designated area with adequate ventilation?		✓		
4.17	Storage area paved with concrete and kept clean and dry?		✓		
4.18	Cover provided for outdoor storage area?		<b>√</b>		
4.19	Chemical waste collected by licensed collector?		✓		

## SITE INSPECTION CHECKLIST



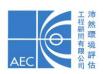
Liqui	d Waste Storage					
4.20	Storage area provided with pe	ermeation-proof floor or surface?		✓		
4.21	Capacity of retention structur container or 20% volume of t	e sufficient to accommodate cont he material in storage?	ents of the largest	<b>✓</b>		
4.22	Walls or partitions of stacked	container storage area constructe	ed of impermeable material?			
5. La	ndfill Gas (LFG) (within LFC	G Consultation Zone)		N/A Yes	No	Remarks
5.1	Alert workers and visitors of	possible LFG hazards?				
5.2	Smoking and open fires prohi	bited?				
6. Ot	her <u>s</u>			N/A Yes	No	Remarks
6.1	Works confined within lot bo	undaries?		<b>✓</b>		
6.2	Damage to surrounding areas	avoided?				
6.3	Site lighting designed to avoid	d glare to surrounding receivers?		<b>✓</b>		
6.4	Materials and machinery stor	_				
6.5	-	activities paved with concrete?				
6.6		ed and mosquito breeding preven	nted?			
6.7		or any monitoring equipment?				Not provided
6.8		manufacture or storage of danger	ous goods?			
	a) Storage area in compliance					
	b) Storage area is securely loc					
		ompliance with relevant statutory	requirement?			
	d) Proper labelling provided?		- cquironion			
	e) Dangerous goods properly					
	c) Dangerous goods properly	packaged:				
Rema	arks:					
New	<u>Observations</u>					
•	No major environmental defic	ciency was observed.				
Signa	atures:					
ET R	epresentative:	Operator Representative:	Tenant Representativ	ve:	IEC Re	presentative:
	(A)		Les	2	/	
Name:	Ronan CHAN	Name: May Wu	Name: Evic Wong		Name:	

Date:

Date: 12/11/2018

Date: 2018/10/24

Date: - 8 NOV 2018



	Inspection Date: 2018/11/20 Time: 12:25  Lot Number: P2, P3 & P4 Tenant: WEEE.PARK	Inspected by:	Ronan CHAN
<u>Wea</u>	ther  Condition: Sunny ✓ Fine Overcast Drizzle  Temperature: 25 ℃ Humidity: High  Wind: ✓ Calm Light Breeze Strong	Rain  Moderate	Storm Hazy
1. G	<u>eneral</u>	N/A Yes	No Remarks
	Environmental Permit (EP) for Tenant displayed at entrances/exits?  Environmental Policy documented?	✓ <u></u>	EP for tenant is not required
	Environmental Management Plan (EMP) kept up-to-date? Emergency Response Plan (ERP) documented?		In-house Emergency Procedure Plan was applied.
	All recycling processes in operation have been approved by WRG of EPD?  Any record of complaint or prosecution?		
2. W	ater Quality	N/A Yes	No Remarks
2.1	Valid Effluent Discharge Licence available?		
	a) Sampling record available?		Colf manifesting relian
	b) Monitoring frequency met the licence requirement?		Self-monitoring when required
	c) Monitoring result comply with the licence requirement?		
	d) If exceedance is recorded, any follow-up action taken?	<b>✓</b>	
2.2	Provision of wastewater treatment facility (WTF) prior to discharge?		via petrol interceptor
	a) Adequate capacity?		
	b) Properly maintained and function normally?		
2.3	Surface run-off control measures in place and adequately maintained?		<u> </u>
2.4	Surface run-off discharging into drainage system?		
2.5	All manholes covered?		
2.6	Foam, oil, grease, debris, rubbish and other objectionable matters prevented from entering nearby drains or sewer?		
2.7	Storage of materials and equipment located away from water bodies?		<u> </u>
2.8	Drainage system well maintained to prevent flooding or overflow?		
2.9	Processes or activities with high risk of contamination located under covered area?		Start 311 C
2.10	Installation of stop-logs in perimeter drainage system for uncovered areas where recovery process with potentially high level of contamination is carried out?	<b>V</b>	Stop-logs are available for use by tenant if needed.
2.11	Equipment oil and lubrication replacements performed only in bunded maintenance area?	<b>✓</b>	Replacement activity is not observed
2.12	Contaminated water collected in the surface drainage system is treated at water treatment facility or other appropriate treatment facility?	<b>✓</b>	No contaminated water is observed



2.13 Drainage from fuel dispensing area discharged via oil interceptor?	
a) Oil and grease removed regularly?	✓ Not observed
b) Collected by licensed collector?	
2.14 Follow Cargo Handling Guideline to minimise the chance of accidental spillage during loading and unloading adjacent to marine frontage?	Not required
2.15 Bulk cargo and materials packed properly?	
2.16 Temporary stockpiles covered during rainstorms?	No dusty stockpile is observed
2.17 Measures to prevent the washing away of sand/silt to drains?	No sand/silt is generated from the recycling process
3. Air Quality	N/A Yes No Remarks
3.1 Valid Specified Process (SP) Licence available for all specified process?	✓ Not required
a) SP Licence conditions / monitoring requirements comply?	
3.2 Operate without generation of noticeable odour?	
a) If odour is detected, can the source be identified?	<b>/</b>
b) Odourous materials covered?	
c) If odour control system is installed, is it operating normally?	
3.3 Dusty materials dampened prior to loading/unloading?	Dusty material is not observed
3.4 Air monitoring record available?	
a) Monitoring frequency met the licence requirement?	Requirements stipulated in Compliance Audit Report
b) Any exceedance?	✓ Against AQO/USEPA
c) If exceedance is recorded, follow-up action taken?	
3.5 Suppression measures provided where main pollutant-generating activities take place (i.e. enclosures or regular dampening)?	Use of localised hood and extraction system with HEPA filter for CRT Recovery
3.6 Open burning prohibited?	
3.7 Emission from chimney or powered plant free of black smoke?	
3.8 Vehicles and equipment switched off while not in use?	
3.9 Obtained approval for installation/alteration of furnace, oven or chimney consuming over 25L liquid fuel/hour, or 35kg solid fuel/hour, or 1150MJ gaseous fuel/hour?	
3.10 Obtained approval for the use of liquid fuel with a viscosity point of ignition >30 centistokes or an equivalent viscosity?	
3.11 Air pollution control system properly maintained and function normally?	
3.12 Filtered dust/ fluorescent powder from any air pollution control equipment installed by tenants disposed of as chemical waste?	
a) Obtained approval for the use of controlled refrigerant?	<u> </u>
b) If yes, record of refrigeration equipment service available?	
3.13 Only ultra-low sulphur diesel is used for activities requiring liquid fuel?	
3.14 Public road around site entrance kept clean and free from dust?	
3.15 Materials transported on trucks covered?	Not observed



3.16 Truck loads to a level within the side and tail boards?	Not observed
3.17 Stockpiles of dusty materials covered or regularly watered?	No stockpile of dusty material is observed
3.18 Major dust source(s): Wind erosion Ve	hicle/equipment movement
Loading/unloading of materials Oth	ners: n/a
3.19 Shredding, crushing and sorting processes including CRT dismantling are carried out in enclosed structure(s)?	
4. Waste / Chemical Management	
<u>General</u>	N/A Yes No Remarks
4.1 Registered as chemical waste producer?	
4.2 Sufficient receptacles (e.g. rubbish bins) available?	
4.3 Disposed of regularly and properly?	
4.4 Sorting of materials on-site for reuse or disposal to designated outlet?	
4.5 Records of quantities of waste generated, recycled and disposed properly kept?	✓ Verified via quarterly report
4.6 Collection of sludge by licensed collector at regular intervals?	✓ Not required
Packaging of Chemical Waste	
4.7 Stored in suitable container?	
4.8 Container properly closed or sealed?	
4.9 Spillage cleaned up immediately through the use of absorbent?	
4.10 Obtained approval for the use of chemical waste container >450L?	
Labelling of Chemical Waste	
4.11 Provision of chemical waste label?	
a) Label is securely attached and visible?	
b) Label is bilingual and in proper dimension?	
c) Information is accurate and sufficient?	
Storage of Chemical Waste	
4.12 Proper "Chemical Waste" sign displayed?	
4.13 Incompatible wastes separated by impermeable partition?	✓ Not observed
4.14 Containers kept in cabinet or receptacle of suitable material (if quantity <50L), or provided with drip trays capable of storing 110% of the volume of the largest container (if quantity >50L)?	
4.15 Enclosed on 3 sides with no less than 2m in height or height of tallest container / stack of containers?	
4.16 Properly stored and locked in designated area with adequate ventilation?	
4.17 Storage area paved with concrete and kept clean and dry?	
4.18 Cover provided for outdoor storage area?	
4.19 Chemical waste collected by licensed collector?	
Liquid Waste Storage	
4.20 Storage area provided with permeation-proof floor or surface?	

### **SITE INSPECTION CHECKLIST**



<ul><li>4.21 Capacity of retention structure sufficient to accommodate contents of the largest container or 20% volume of the material in storage?</li><li>4.22 Walls or partitions of stacked container storage area constructed of impermeable material?</li></ul>	
5. Landfill Gas (LFG) (within LFG Consultation Zone)	N/A Yes No Remarks
5.1 Alert workers and visitors of possible LFG hazards?	
5.2 Smoking and open fires prohibited?	
6. Others	N/A Yes No Remarks
6.1 Works confined within lot boundaries?	
6.2 Damage to surrounding areas avoided?	
6.3 Site lighting designed to avoid glare to surrounding receivers?	
6.4 Materials and machinery stored in an orderly manner?	
6.5 Areas within lot for recycling activities paved with concrete?	
6.6 Potential stagnant pools cleared and mosquito breeding prevented?	
6.7 Valid calibration certificate for any monitoring equipment?	✓ Not provided
6.8 Valid licence(s) obtained for manufacture or storage of dangerous goods?	
a) Storage area in compliance with the approved plan?	
b) Storage area is securely locked?	
c) Total storage capacity in compliance with relevant statutory requirement?	
d) Proper labelling provided?	
e) Dangerous goods properly packaged?	
Remarks: New Observations	
<ul> <li>No major environmental deficiency was observed.</li> </ul>	

**Signatures:** 

ET Representative:

Operator Representative:

Tenant Representative:

IEC Representative:

Name Ronan CHAN

Date: 2018/11/20

Name; Date:

May Wu

2 8 NOV 2018

Name: Gric Wong

Date: 79/11/2018

Name: Flereld Cem



	Inspection Date:         2018/12/13         Time:         12:15           Lot Number:         P2, P3 & P4         Tenant:         WEEE.PARK	Inspected by:	Ronan	ı CHAN
<u>Wea</u>	ther  Condition: Sunny ✓ Fine Overcast Drizzle  Temperature: 15 ℃ Humidity: High  Wind: Calm ✓ Light Breeze Strong	Rain  ✓ Moderate	=	Storm Hazy Low
1. G	<u>eneral</u>	N/A Yes	No	Remarks
1.3 1.4 1.5	Environmental Permit (EP) for Tenant displayed at entrances/exits?  Environmental Policy documented?  Environmental Management Plan (EMP) kept up-to-date?  Emergency Response Plan (ERP) documented?  All recycling processes in operation have been approved by WRG of EPD?  Any record of complaint or prosecution?			EP for tenant is not required  In-house Emergency Procedure Plan was applied.
2. W	ater Quality	N/A Yes	No	Remarks
2.1	Valid Effluent Discharge Licence available?  a) Sampling record available?  b) Monitoring frequency met the licence requirement?  c) Monitoring result comply with the licence requirement?  d) If exceedance is recorded, any follow-up action taken?			Self-monitoring when required
	Provision of wastewater treatment facility (WTF) prior to discharge?  a) Adequate capacity?  b) Properly maintained and function normally?  Surface run off control measures in place and adequately maintained?			via petrol interceptor
<ul><li>2.3</li><li>2.4</li><li>2.5</li><li>2.6</li></ul>	Surface run-off control measures in place and adequately maintained?  Surface run-off discharging into drainage system?  All manholes covered?  Foam, oil, grease, debris, rubbish and other objectionable matters prevented from entering nearby drains or sewer?			
<ul><li>2.7</li><li>2.8</li><li>2.9</li></ul>	Storage of materials and equipment located away from water bodies?  Drainage system well maintained to prevent flooding or overflow?  Processes or activities with high risk of contamination located under covered area?			Stop-logs are available for use
2.11	Installation of stop-logs in perimeter drainage system for uncovered areas where recovery process with potentially high level of contamination is carried out?  Equipment oil and lubrication replacements performed only in bunded maintenance area?  Contaminated water collected in the surface drainage system is treated at water treatment facility or other appropriate treatment facility?	✓		by tenant if needed.  Replacement activity is not observed  No contaminated water is observed



2.13	Drainage from fuel dispensing area discharged via oil interceptor?		
	a) Oil and grease removed regularly?		Not observed
	b) Collected by licensed collector?		
2.14	Follow Cargo Handling Guideline to minimise the chance of accidental spillage during loading and unloading adjacent to marine frontage?	<b>/</b>	Not required
2.15	Bulk cargo and materials packed properly?		
2.16	Temporary stockpiles covered during rainstorms?		No dusty stockpile is observed
2.17	Measures to prevent the washing away of sand/silt to drains?	<b>/</b>	No sand/silt is generated from the recycling process
3. Ai	r Quality	N/A Yes No	Remarks
3.1	Valid Specified Process (SP) Licence available for all specified process?		Not required
	a) SP Licence conditions / monitoring requirements comply?		
3.2	Operate without generation of noticeable odour?		
	a) If odour is detected, can the source be identified?		
	b) Odourous materials covered?		
	c) If odour control system is installed, is it operating normally?		
3.3	Dusty materials dampened prior to loading/unloading?		Dusty material is not observed
3.4	Air monitoring record available?		
	a) Monitoring frequency met the licence requirement?		Requirements stipulated in Compliance Audit Report
	b) Any exceedance?		Against AQO/USEPA
	c) If exceedance is recorded, follow-up action taken?		
3.5	Suppression measures provided where main pollutant-generating activities take place (i.e. enclosures or regular dampening)?		Use of localised hood and extraction system with HEPA filter for CRT Recovery
3.6	Open burning prohibited?		
3.7	Emission from chimney or powered plant free of black smoke?		
3.8	Vehicles and equipment switched off while not in use?		
3.9	Obtained approval for installation/alteration of furnace, oven or chimney consuming over 25L liquid fuel/hour, or 35kg solid fuel/hour, or 1150MJ gaseous fuel/hour?		
3.10	Obtained approval for the use of liquid fuel with a viscosity point of ignition >30 centistokes or an equivalent viscosity?	<b>/</b>	
3.11	Air pollution control system properly maintained and function normally?		
3.12	Filtered dust/ fluorescent powder from any air pollution control equipment installed by tenants disposed of as chemical waste?		
	a) Obtained approval for the use of controlled refrigerant?	<b>✓</b> □ □	
	b) If yes, record of refrigeration equipment service available?		
3.13	Only ultra-low sulphur diesel is used for activities requiring liquid fuel?		
3.14	Public road around site entrance kept clean and free from dust?		
3.15	Materials transported on trucks covered?		Not observed

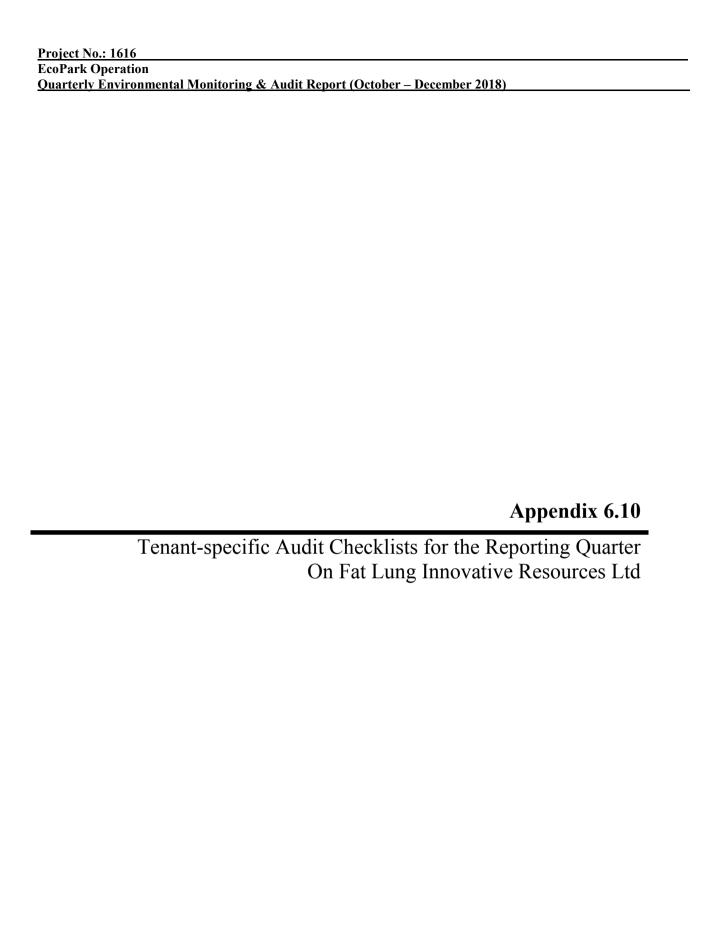


3.16 Truck loads to a level within the side and tail boards?	Not observed
3.17 Stockpiles of dusty materials covered or regularly watered?	No stockpile of dusty material is observed
3.18 Major dust source(s): Wind erosion	Vehicle/equipment movement
Loading/unloading of materials	Others: n/a
3.19 Shredding, crushing and sorting processes including CRT dismantling are carried out in	
enclosed structure(s)?	
4. Waste / Chemical Management	
General	N/A Yes No Remarks
4.1 Registered as chemical waste producer?	
4.2 Sufficient receptacles (e.g. rubbish bins) available?	
4.3 Disposed of regularly and properly?	
4.4 Sorting of materials on-site for reuse or disposal to designated outlet?	
4.5 Records of quantities of waste generated, recycled and disposed properly kept?	✓ Verified via quarterly report
4.6 Collection of sludge by licensed collector at regular intervals?	✓ Not required
Packaging of Chemical Waste	
4.7 Stored in suitable container?	
4.8 Container properly closed or sealed?	
4.9 Spillage cleaned up immediately through the use of absorbent?	
4.10 Obtained approval for the use of chemical waste container >450L?	
<u>Labelling of Chemical Waste</u>	
4.11 Provision of chemical waste label?	
a) Label is securely attached and visible?	
b) Label is bilingual and in proper dimension?	
c) Information is accurate and sufficient?	
Storage of Chemical Waste	
4.12 Proper "Chemical Waste" sign displayed?	
4.13 Incompatible wastes separated by impermeable partition?	✓ Not observed
4.14 Containers kept in cabinet or receptacle of suitable material (if quantity <50L), or provided with drip trays capable of storing 110% of the volume of the largest container (if quantity <50L).	ntity >50L)?
4.15 Enclosed on 3 sides with no less than 2m in height or height of tallest container / stack of containers?	
4.16 Properly stored and locked in designated area with adequate ventilation?	
4.17 Storage area paved with concrete and kept clean and dry?	
4.18 Cover provided for outdoor storage area?	
4.19 Chemical waste collected by licensed collector?	
Liquid Waste Storage	
4.20 Storage area provided with permeation-proof floor or surface?	

### SITE INSPECTION CHECKLIST



4.21	Capacity of retention structure sufficient to accommodate contents of the largest container or 20% volume of the material in storage?		
4.22	Walls or partitions of stacked container storage area constructed of impermeable material?		
5. La	andfill Gas (LFG) (within LFG Consultation Zone)	N/A Yes No	Remarks
5.1	Alert workers and visitors of possible LFG hazards?		
5.2	Smoking and open fires prohibited?		
<u>6. Ot</u>	<u>hers</u>	N/A Yes No	Remarks
6.1	Works confined within lot boundaries?		
6.2	Damage to surrounding areas avoided?		
6.3	Site lighting designed to avoid glare to surrounding receivers?	<b>✓</b>	
6.4	Materials and machinery stored in an orderly manner?		
6.5	Areas within lot for recycling activities paved with concrete?		
6.6	Potential stagnant pools cleared and mosquito breeding prevented?	✓	
6.7	Valid calibration certificate for any monitoring equipment?	<b>V</b>	Not provided
6.8	Valid licence(s) obtained for manufacture or storage of dangerous goods?		
	a) Storage area in compliance with the approved plan?	<b>V</b>	
	b) Storage area is securely locked?		
	c) Total storage capacity in compliance with relevant statutory requirement?	<b>V</b>	
	d) Proper labelling provided?		
	e) Dangerous goods properly packaged?	✓ □ □	
Rem	arks:		
New	<u>Observations</u>		
•	No major environmental deficiency was observed.		
Signa	atures:		
ET R	epresentative: Operator Representative: Tenant Representative:	entative: IEC Rep	resentative:
	An L	2	
Name	Ronan CHAN Name: May Wu Name: LY i C	Wong Name:	
Date:	Ronan CHAN  Name: May Wu  Name: EY   C  2018/12/13  Date: 21 - Dec - 2018  Date: 24 /	12/2018 Date:	



Issue 1\_\_\_\_\_AEC



	Inspection Date:         2018/10/24         Time:         11:00           Lot Number:         P8         Tenant:         On Fat Lung	Inspected by:	Ronan CHAN David TSANG
Weat	her		
	Condition: Sunny Fine ✓ Overcast Drizzle Temperature: 26 °C Humidity: High Wind: ✓ Calm Light Breeze Strong	Rain  Moderate	Storm Hazy
1. Ge	<u>neral</u>	N/A Yes	No Remarks
1.1	Environmental Permit (EP) for Tenant displayed at entrances/exits?		EP for tenant is not required.
1.2	Environmental Policy documented?		UPML's Environmental Policy is followed
1.3	Environmental Management Plan (EMP) kept up-to-date?		UPML's EMP is followed
1.4	Emergency Response Plan (ERP) documented?		UPML's ERP is followed
	(a) Drill or training records available?	<b>✓</b>	Subject to tenant's provision
1.5	All recycling processes in operation have been approved by WFBU?		
1.6	Any record of complaint or prosecution?		✓
2. Wa	ater Quality	N/A Yes	No Remarks
2.1	Valid Effluent Discharge Licence available?	✓	No wastewater is generated from recycling process.
	a) Sampling record available?	✓	<u> </u>
	b) Monitoring frequency met the licence requirement?	✓	
	c) Monitoring result comply with the licence requirement?	<b>√</b>	<u> </u>
	d) If exceedance is recorded, any follow-up action taken?	✓	No wastewater is generated
2.2	Provision of wastewater treatment facility (WTF) prior to discharge?	✓	from recycling process.
	a) Adequate capacity?	✓	<u> </u>
	b) Properly maintained and function normally?	✓	<u> </u>
2.3	Surface run-off control measures in place and adequately maintained?	✓	<u> </u>
2.4	Surface run-off discharging into drainage system?	✓	<u> </u>
2.5	All manholes covered?	<b>✓</b>	<u> </u>
2.6	Foam, oil, grease, debris, rubbish and other objectionable matters prevented from entering nearby drains or sewer?	✓	
2.7	Storage of materials and equipment located away from water bodies?	<b>✓</b>	<u> </u>
2.8	Drainage system well maintained to prevent flooding or overflow?	$\boxed{\hspace{1cm}}\checkmark$	<u> </u>
2.9	Processes or activities with high risk of contamination located under covered area?	$\qquad \qquad \checkmark$	Stop-logs are available for
2.10	Installation of stop-logs in perimeter drainage system for uncovered areas where recover process with potentially high level of contamination is carried out?	у 🗸 🗀	use by tenant if needed.
2.11	Equipment oil and lubrication replacements performed only in bunded maintenance area	? 🗸	Replacement activity is not observed



2.13 Drainage from maintenance area discharged via oil interceptor?  2.14 Pollow Cargo Handling Guideline to minimise the chance of accidental spillage during loading and unhanding adjacent to marrine frontage?  2.15 Bulk cargo and materials packed properly?  2.16 Temporary stockpiles covered during rainstorms?  2.17 Measures to prevent the washing away of sand/silt to drains?  3.18 Valid Specified Process (SP) Licence available for all specified process?  3.19 Valid Specified Process (SP) Licence available for all specified process?  3.10 Valid Specified Process (SP) Licence available for all specified process?  3.11 Valid Specified Process (SP) Licence available for all specified process?  3.12 Valid Specified Process (SP) Licence available for all specified process?  3.13 Valid Specified Process (SP) Licence available for all specified process?  3.14 Valid Specified Process (SP) Licence available for all specified process?  3.15 Valid Specified Process (SP) Licence available for all specified process?  3.16 Valid Specified Process (SP) Licence available for all specified process?  3.17 Valid Specified Process (SP) Licence available for all specified process?  3.18 Valid Specified Process (SP) Licence available for all specified process?  3.19 Valid Specified Process (SP) Licence available for all specified process?  3.20 Valid Specified Process (SP) Licence available for all specified process?  3.21 Valid Specified Process (SP) Licence available for all specified process?  3.22 Valid Specified Process (SP) Licence available for all specified process?  3.32 Valid Specified Process (SP) Licence available for all specified process?  3.43 Dust monitoring record available is it operating normally?  3.54 Dust monitoring record available?  3.55 Dusts monitoring record available?  3.66 Open braining prohibitied?  3.76 Emission from chimney ur powered plant free of black smoke?  3.77 Emission from chimney ur powered plant free of black smoke?  3.78 Dust suppression measures provided where main dust-generating activit	2.12	Contaminated water collected in the surface drainage system is treated at water treatment facility or other appropriate treatment facility?	✓			No contaminated water was observed
b) Collected by licensed collector?  2.14 Follow Cargo Handling Guideline to minimise the chance of accidental spillage during loading and unloading adjacent to marine frontage?  2.15 Bulk cargo and materials packed properly?  2.16 Temporary stockpiles covered during ministorms?  2.17 Measures to prevent the washing away of sand/silt to drains?  2.18 Walk cargo and materials packed properly?  2.19 Measures to prevent the washing away of sand/silt to drains?  3. Air Quality  3. Air Quality  3. Valid Specified Process (SP) Licence available for all specified process?  3. Air Objective conditions / monitoring requirements comply?  3. P Licence conditions / monitoring requirements comply?  3. Operate without generation of noticeable odour?  4. All of door is detected, can the source be identified?  5. Operate without generation of noticeable odour?  4. All of door is detected, can the source be identified?  5. Disty materials dampened prior to loading/unloading?  4. All of door is detected, can the source be identified?  6. Any exceedance?  6. If odour control system is installed, is it operating normally?  7. Any exceedance?  8. Any onitoring record available?  8. Any exceedance?  8. Any onitoring frequency met the licence requirement?  8. Any exceedance?  9. Any exceedance is recorded, follow-up action taken?  10. Davis generating activities take place (i.e. of monitoring probabilite)?  10. Davis generating activities take place (i.e. of monitoring probabilite)?  10. Davis generating activities take place (i.e. of monitoring probabilite)?  10. Davis approval for installation/alteration of furnace, oven or chimney consuming over 2. In monitoring impection and daming impection activities and equipment switched off while not in use?  10. Obtained approval for the use of liquid fuel with a viscosity point of ignition >30 centristokes or an equivalent viscosity?  10. Obtained approval for the use of	2.13	Drainage from maintenance area discharged via oil interceptor?	<b>√</b>			Not required
2.14 Follow Cargo Handling Guideline to minimise the chance of accidental spillage during loading and unloading adjacent to marine frontage?  2.15 Bulk cargo and materials packed properly? 2.16 Temporary stockpiles covered during rainstorms? 2.17 Measures to prevent the washing away of sand/silt to drains? 2.18 Measures to prevent the washing away of sand/silt to drains? 2.19 Measures to prevent the washing away of sand/silt to drains? 2.10 Measures to prevent the washing away of sand/silt to drains? 2.11 Valid Specified Process (SP) Licence available for all specified process? 2.12 Valid Specified Process (SP) Licence available for all specified process? 3.13 Valid Specified Process (SP) Licence available for all specified process? 3.2 Operate without generation of noticeable odour? 3.3 Operate without generation of noticeable odour? 3.4 District is detected, can the source be identified? 3.5 Dodourous materials downered? 3.6 District materials dampened prior to loading/unloading? 3.7 District materials dampened prior to loading/unloading? 3.8 District materials dampened prior to loading/unloading? 3.9 Operate without generation observed district materials dampened prior to loading/unloading? 3.9 District materials dampened prior to loading/unloading? 3.9 Obstince is recorded, follow-up action taken? 3.9 Obstince is recorded, follow-up action taken? 3.0 Open burning probabited? 3.10 District propersion measures provided where main dust-generating activities take place (i.e. on closures or regular dampening)? 3.10 Obtained approval for the use of liquid flue with a viscosity point of ignition >30 centistokes or an equivalent viscosity? 3.11 Air pollution control system properly maintained and function normally? 3.12 Dust collected by any air pollution control equipment service available? 3.13 Objust utra-low sulphur diesel is used for activities requiring liquid fuel? 3.14 Objustined approval for the use of controlled refrigerant? 3.15 District day proval for the use of controlled refrigerant? 3.16 District day		a) Oil and grease removed regularly?	<b>√</b>			Not required
Loading and unloading adjacent to marine frontage?  2.15 Bulk cargo and surface packed properly?  2.16 Temporary stockpiles covered during rainstorms?  2.17 Measures to prevent the washing away of sand/silt to drains?  2.18 Measures to prevent the washing away of sand/silt to drains?  3.19 Valid Specified Process (SP) Licence available for all specified process?  3.20 Operate without generation of noticeable odour?  3.11 odour is detected, can the source be identified?  3.21 Operate without generation of noticeable odour?  3.22 Operate without generation of noticeable odour?  3.23 Dusty materials covered?  3.34 Dust monitoring record available?  3.4 Dust monitoring record available?  3.5 Dusty materials dampened prior to loading/unloading?  3.6 Dust monitoring record available?  3.7 Dust-suppression measures provided where main dust-generating activities take place (i.e. and in the conclusive of the process or regular dampening)?  3.6 Open burning probabited?  3.7 Emission from chimney or powered plant free of black smoke?  3.8 Vehicles and equipment switched off while not in use?  3.9 Obtained approval for the use of liquid feel with a viscosity point of ignition >30 centistokes or an equivalent viscosity?  3.1 Air pollution control system properly maintained and function normally?  3.1 Air pollution control system properly maintained and function normally?  3.1 Air pollution control system properly maintained and function normally?  3.2 Dust collected by any air pollution control equipment service available?  3.3 Obtained approval for the use of controlled refrigerant?  3.4 Dust collected by any air pollution control equipment service available?  3.5 Dust collected by any air pollution control equipment service available?  3.6 Dust collected by any air pollution control equipment service available?  3.7 Dust collected by any air pollution control equipment service available?		b) Collected by licensed collector?	✓			Not required
2.16 Temporary stockpiles covered during rainstorms?  2.17 Measures to prevent the washing away of sand/silt to drains?  2.18 Measures to prevent the washing away of sand/silt to drains?  2.19 Walid Specified Process (SP) Licence available for all specified process?  3.10 Alid Specified Process (SP) Licence available for all specified process?  3.20 Operate without generation of noticeable odour?  3.21 Operate without generation of noticeable odour?  3.22 Operate without generation of noticeable odour?  3.23 Dusty materials covered?  3.24 Dust monitoring requirements is installed, is it operating normally?  3.25 Dusty materials dampened prior to loading/unloading?  3.26 Dust monitoring record available?  3.27 Dust monitoring record available?  3.38 Vehicles and equipment witched off while not in use?  3.49 Dust-suppression measures provided where main dust-generating activities take place (i.e. or or operation is observed during inspection.  3.50 Dust-suppression measures provided where main dust-generating activities take place (i.e. or or operation is observed or observed during inspection)  3.50 Dust-suppression measures provided where main dust-generating activities take place (i.e. or or operation is observed or observed during inspection)  3.6 Open burning prohibited?  3.7 Emission from chimney or powered plant free of black smoke?  3.8 Vehicles and equipment switched off while not in use?  3.9 Obtained approval for installation/alteration of furnace, oven or chimney consuming over or optime of installation/alteration of furnace, oven or chimney consuming over or optime or only one of the use of liquid fuel with a viscosity point of ignition > 30  3. Obtained approval for the use of liquid fuel with a viscosity point of ignition > 30  3. Obtained approval for the use of controlled refrigerant?  3. Obtained approval for the use of controlled refrigerant?  3. Obtained approval for the use of controlled refrigerant?  3. Obtained approval for the use of controlled refrigerant?  3. Obtained approval for the us	2.14		<b>√</b>			Not required
2.16 Temporary stockpiles covered during rainstorms?  2.17 Measures to prevent the washing away of sand/silt to drains?  3. Air Quality  3. Air Quality  3. Ali Specified Process (SP) Licence available for all specified process?  3. Ali Specified Process (SP) Licence available for all specified process?  3. Valid Specified Process (SP) Licence available for all specified process?  3. Valid Specified Process (SP) Licence available for all specified process?  3. Valid Specified Process (SP) Licence available for all specified process?  3. Valid Specified Process (SP) Licence available for all specified process?  3. Valid Specified Process (SP) Licence available for all specified process?  3. Valid Specified Process (SP) Licence available for all specified process?  3. Valid Specified Process (SP) Licence available for all specified process?  3. Valid Specified Process (SP) Licence available for all specified process?  3. Valid Specified Process (SP) Licence available for all specified process?  3. Valid Specified Process (SP) Licence available for all specified process?  3. Valid Specified Process (SP) Licence available for all specified process?  3. Valid Specified Process (SP) Licence available for all specified process?  3. Valid Specified Process (SP) Licence available for all specified process?  3. Valid Specified Process (SP) Licence available for all specified process?  3. Valid Specified Process (SP) Licence available for all specified process for all specified procesors for all process for all specified process for all process for all process for	2.15	Bulk cargo and materials packed properly?		$\checkmark$		
3. Air Ouality  4. Aid Specified Process (SP) Licence available for all specified process?  4. Aid Specified Process (SP) Licence available for all specified process?  4. Aid Specified Process (SP) Licence available for all specified process?  5. Operate without generation of noticeable odour?  6. Operate without generation of noticeable odour?  7. Operate without generation of noticeable odour?  8. Operate without generation of noticeable odour?  9. If odour outrol system is installed, is it operating normally?  9. Of odour control system is installed, is it operating normally?  9. If odour control system is installed, is it operating normally?  9. An instance of the supplementable of dusty materials dampened prior to loading/unloading?  9. An instance of the supplementable of dusty materials is observed of substructions is observed.  9. An instance of the supplementable of the su	2.16	Temporary stockpiles covered during rainstorms?	✓			observed
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3.2 Operate without generation of noticeable odour?  a) If odour is detected, can the source be identified?  b) Odourous materials covered?  c) If odour control system is installed, is it operating normally?  3.3 Dusty materials dampened prior to loading/unloading?  3.4 Dust monitoring record available?  a) Monitoring frequency met the licence requirement?  b) Any exceedance?  c) If exceedance is recorded, follow-up action taken?  3.5 Dust-suppression measures provided where main dust-generating activities take place (i.e. one observed during inspection)  3.6 Open burning prohibited?  3.7 Emission from chimney or powered plant free of black smoke?  3.8 Vehicles and equipment switched off while not in use?  3.9 Obtained approval for installation/alteration of furnace, oven or chimney consuming over 25L liquid fuel/hour, or 35kg solid fuel/hour, or 1150MJ gaseous fuel/hour?  3.10 Obtained approval for the use of liquid fuel with a viscosity point of ignition >30 centistokes or an equivalent viscosity?  3.11 Air pollution control system properly maintained and function normally?  3.12 Dust collected by any air pollution control equipment installed by tenants tested to ensure compliance for landfill disposal?  a) Obtained approval for the use of controlled refrigerant?  b) If yes, record of refrigeration equipment service available?  3.13 Only ultra-low sulphur diesel is used for activities requiring liquid fuel?		a) SP Licence conditions / monitoring requirements comply?	✓			No operation is observed
b) Odourous materials covered? c) If odour control system is installed, is it operating normally?  3.3 Dusty materials dampened prior to loading/unloading? 3.4 Dust monitoring record available? a) Monitoring frequency met the licence requirement? b) Any exceedance? c) If exceedance is recorded, follow-up action taken?  3.5 Dust-suppression measures provided where main dust-generating activities take place (i.e. or not observed.  3.6 Open burning prohibited?  3.7 Emission from chimney or powered plant free of black smoke?  3.8 Vehicles and equipment switched off while not in use?  3.9 Obtained approval for installation/alteration of furnace, oven or chimney consuming over 25L liquid fuel/hour, or 35kg solid fuel/hour, or 1150MJ gaseous fuel/hour?  3.10 Obtained approval for the use of liquid fuel with a viscosity point of ignition >30 centistokes or an equivalent viscosity?  3.11 Air pollution control system properly maintained and function normally?  3.12 Dust collected by any air pollution control equipment installed by tenants tested to ensure compliance for landfill disposal? a) Obtained approval for the use of controlled refrigerant? b) If yes, record of refrigeration equipment service available?  3.13 Only ultra-low sulphur diesel is used for activities requiring liquid fuel?  3.14 Only ultra-low sulphur diesel is used for activities requiring liquid fuel?	3.2	Operate without generation of noticeable odour?	✓			*
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b) Any exceedance? c) If exceedance is recorded, follow-up action taken? c) If exceedance is recorded, follow-up action taken?  Just-generating activity is not observed.  3.5 Dust-suppression measures provided where main dust-generating activities take place (i.e.	3.4	Dust monitoring record available?	✓			Not required
c) If exceedance is recorded, follow-up action taken?  3.5 Dust-suppression measures provided where main dust-generating activities take place (i.e.		a) Monitoring frequency met the licence requirement?	✓			
3.5 Dust-suppression measures provided where main dust-generating activities take place (i.e.		b) Any exceedance?	<b>√</b>			-
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3.12 Dust collected by any air pollution control equipment installed by tenants tested to ensure compliance for landfill disposal?  a) Obtained approval for the use of controlled refrigerant?  b) If yes, record of refrigeration equipment service available?  3.13 Only ultra-low sulphur diesel is used for activities requiring liquid fuel?	3.10	· · · · · · · · · · · · · · · · · · ·	<b>√</b>			Not required
compliance for landfill disposal?  a) Obtained approval for the use of controlled refrigerant?  b) If yes, record of refrigeration equipment service available?  3.13 Only ultra-low sulphur diesel is used for activities requiring liquid fuel?	3.11	Air pollution control system properly maintained and function normally?		✓		-
b) If yes, record of refrigeration equipment service available?  3.13 Only ultra-low sulphur diesel is used for activities requiring liquid fuel?	3.12		<b>√</b>			
3.13 Only ultra-low sulphur diesel is used for activities requiring liquid fuel?		a) Obtained approval for the use of controlled refrigerant?	<b>√</b>			
		b) If yes, record of refrigeration equipment service available?	✓			
3.14 Public road around site entrance kept clean and free from dust?	3.13	Only ultra-low sulphur diesel is used for activities requiring liquid fuel?	✓			
	3.14	Public road around site entrance kept clean and free from dust?		<b>√</b>		



3.15	Materials transported on trucks covered?				Not observed
3.16	Truck loads to a level within the side and tail boards?	,			Not observed
3.17	Stockpiles of dusty materials covered or regularly watered?	_,			No stockpile of dusty material is observed
3.18	Major dust source(s): Wind erosion	Vehicle	e/equipme	nt move	ment
	Loading/unloading of materials	✓ Others:	n/a		
4. Wa	ste / Chemical Management				
Gener	<u>al</u>	N	/A Yes	No	Remarks No chemical waste is
4.1	Registered as chemical waste producer?	,			observed
4.2	Sufficient receptacles (e.g. rubbish bins) available?		<b>√</b>		
4.3	Disposed of regularly and properly?		<b>√</b>		
4.4	Sorting of materials on-site for reuse or disposal to designated outlet?		<b>√</b>		W. C. L.
4.5	Records of quantities of waste generated, recycled and disposed properly kept?		✓		Verified via quarterly report
4.6	Collection of sludge by licensed collector at regular intervals?	_			
Packa	ging of Chemical Waste				
4.7	Stored in suitable container?				
4.8	Container properly closed or sealed?				
4.9	Spillage cleaned up immediately through the use of absorbent?				
4.10	Obtained approval for the use of chemical waste container >450L?				
Label	ling of Chemical Waste				
4.11	Provision of chemical waste label?				
	a) Label is securely attached and visible?				
	b) Label is bilingual and in proper dimension?				
	c) Information is accurate and sufficient?				
Storag	ge of Chemical Waste				
4.12	Proper "Chemical Waste" sign displayed?	_			
4.13	Incompatible wastes separated by impermeable partition?				
4.14	Containers kept in cabinet or receptacle of suitable material (if quantity <50L), or provided with drip trays capable of storing 110% of the volume of the largest con		ntity >50L	 .)?	
4.15	Enclosed on 3 sides with no less than 2m in height or height of tallest container / of containers?	stack			
4.16	Properly stored and locked in designated area with adequate ventilation?	[,			
4.17	Storage area paved with concrete and kept clean and dry?				
4.18	Cover provided for outdoor storage area?				
4.19	Chemical waste collected by licensed collector?				
<u>Liqui</u>	1 Waste Storage		- <del></del>		
4.20	Storage area provided with permeation-proof floor or surface?				

# SITE INSPECTION CHECKLIST



4.21	Capacity of retention structur container or 20% volume of t	e sufficient to accommodate contente he material in storage?	nts of the largest	<b>✓</b>		
4.22	Walls or partitions of stacked	container storage area constructed	of impermeable material	? 🗸		
5. La	ndfill Gas (LFG) (within LFC	G Consultation Zone)		N/A Y	es No	Remarks
5.1	Alert workers and visitors of	possible LFG hazards?				
5.2	Smoking and open fires prohi	bited?				
6. Otl	ners_			N/A Y	es No	Remarks
6.1	Works confined within lot bo	undaries?				
6.2	Damage to surrounding areas	avoided?				
6.3	Site lighting designed to avoi	d glare to surrounding receivers?		<b>√</b>		
6.4	Materials and machinery store	ed in an orderly manner?				
6.5	Areas within lot for recycling	activities paved with concrete?				
6.6	Potential stagnant pools cleared and mosquito breeding prevented?					
6.7	Valid calibration certificate for	or any monitoring equipment?		<b>V</b>		Not required
6.8	Valid licence(s) obtained for	manufacture or storage of dangeror	us goods?	<b>✓</b>		Not required
	a) Storage area in compliance	with the approved plan?		<b>✓</b>		
	b) Storage area is securely loc	cked?		<b>✓</b>	$\exists \Box$	
	c) Total storage capacity in co	ompliance with relevant statutory re	equirement?	<b>✓</b>		
	d) Proper labelling provided?				$\exists \Box$	
	e) Dangerous goods properly	packaged?		<b>✓</b>		
Rema	rks:					
New (	<u>Observations</u>					
•	No major environmental defic	ciency was observed.				
Signa	tures:					
ET R	epresentative:	Operator Representative:	Tenant Representat	tive:	IEC Re	presentative:
	(A)					
Name:	Ronan CHAN	Name: May Wu	Name Kann	Knu	Name:	
Date:	2018/10/24	Date: - 8 NOV 2018	Date: 23 - Nov -	Knu- - 18	Date:	



	Inspection Date: 2018/11/20 Time: 11:15  Lot Number: P8 Tenant: On Fat Lung	Inspected by:	Ronan CHAN
<u>Wea</u>	ther  Condition: Sunny ✓ Fine Overcast Drizzle  Temperature: 25 ℃ Humidity: High  Wind: ✓ Calm Light Breeze Strong	Rain  ✓ Moderate	Storm Hazy Low
1. G	eneral_	N/A Yes	No Remarks
1.2 1.3 1.4 1.5	Environmental Permit (EP) for Tenant displayed at entrances/exits?  Environmental Policy documented?  Environmental Management Plan (EMP) kept up-to-date?  Emergency Response Plan (ERP) documented?  All recycling processes in operation have been approved by WRG of EPD?  Any record of complaint or prosecution?		EP for tenant is not required.  UPML's Environmental Policy is followed  UPML's EMP is followed  UPML's ERP is followed
	ater Quality	N/A Yes	No Remarks
2.1 2.2 2.3 2.4 2.5	Valid Effluent Discharge Licence available?  a) Sampling record available?  b) Monitoring frequency met the licence requirement?  c) Monitoring result comply with the licence requirement?  d) If exceedance is recorded, any follow-up action taken?  Provision of wastewater treatment facility (WTF) prior to discharge?  a) Adequate capacity?  b) Properly maintained and function normally?  Surface run-off control measures in place and adequately maintained?  Surface run-off discharging into drainage system?  All manholes covered?		No wastewater is generated from recycling process  No wastewater is generated from recycling process  No wastewater is generated from recycling process
2.7 2.8	Foam, oil, grease, debris, rubbish and other objectionable matters prevented from entering nearby drains or sewer?  Storage of materials and equipment located away from water bodies?  Drainage system well maintained to prevent flooding or overflow?  Processes or activities with high risk of contamination located under covered area?		
2.10	Installation of stop-logs in perimeter drainage system for uncovered areas where recovery process with potentially high level of contamination is carried out?  Equipment oil and lubrication replacements performed only in bunded maintenance area?		Stop-logs are available for use by tenant if needed.  Replacement activity is not observed
	Contaminated water collected in the surface drainage system is treated at water treatment facility or other appropriate treatment facility?		No contaminated water was observed



2.13	Drainage from maintenance area discharged via oil interceptor?	✓			Not required
	a) Oil and grease removed regularly?	<b>√</b>			Not required
	b) Collected by licensed collector?	<b>√</b>			Not required
	Follow Cargo Handling Guideline to minimise the chance of accidental spillage during loading and unloading adjacent to marine frontage?	<b>√</b>			Not required
2.15	Bulk cargo and materials packed properly?		✓		
2.16	Temporary stockpiles covered during rainstorms?	✓			No dusty stockpile is observed
2.17	Measures to prevent the washing away of sand/silt to drains?	✓			No sand/silt is generated from the recycling process
3. Ai	r Quality	N/A	Yes	No	Remarks
3.1	Valid Specified Process (SP) Licence available for all specified process?	✓			Not required
	a) SP Licence conditions / monitoring requirements comply?	✓			
3.2	Operate without generation of noticeable odour?		✓		
	a) If odour is detected, can the source be identified?	✓			
	b) Odourous materials covered?	✓			
	c) If odour control system is installed, is it operating normally?	<b>√</b>			
3.3	Dusty materials dampened prior to loading/unloading?	<b>√</b>			No loading/unloading of dusty materials is observed
3.4	Dust monitoring record available?	✓			Not required
	a) Monitoring frequency met the licence requirement?	✓			
	b) Any exceedance?	<b>√</b>			
	c) If exceedance is recorded, follow-up action taken?	<b>√</b>			
3.5	Dust-suppression measures provided where main dust-generating activities take place (i.e. enclosures or regular dampening)?		<b>√</b>		Dust-generating activity was conducted in indoor area
3.6	Open burning prohibited?		<b>√</b>		
3.7	Emission from chimney or powered plant free of black smoke?		<b>✓</b>		
3.8	Vehicles and equipment switched off while not in use?		<b>✓</b>		
3.9	Obtained approval for installation/alteration of furnace, oven or chimney consuming over 25L liquid fuel/hour, or 35kg solid fuel/hour, or 1150MJ gaseous fuel/hour?	<b>√</b>			Not required
3.10	Obtained approval for the use of liquid fuel with a viscosity point of ignition >30 centistokes or an equivalent viscosity?	✓			Not required
3.11	Air pollution control system properly maintained and function normally?		<b>✓</b>		
3.12	Dust collected by any air pollution control equipment installed by tenants tested to ensure compliance for landfill disposal?	✓			
	a) Obtained approval for the use of controlled refrigerant?	<b>√</b>			
	b) If yes, record of refrigeration equipment service available?	<b>√</b>			
3.13	Only ultra-low sulphur diesel is used for activities requiring liquid fuel?	✓			
3.14	Public road around site entrance kept clean and free from dust?		<b>✓</b>		
3.15	Materials transported on trucks covered?	<b>✓</b>			Not observed



	hicle/equipment movemers: n/a	Not observed  No stockpile of dusty material is observed  ment
4. Waste / Chemical Management		
<u>General</u>	N/A Yes No	Remarks
4.1 Registered as chemical waste producer?	<b>V</b>	No chemical waste is observed
4.2 Sufficient receptacles (e.g. rubbish bins) available?		
4.3 Disposed of regularly and properly?		
4.4 Sorting of materials on-site for reuse or disposal to designated outlet?		
4.5 Records of quantities of waste generated, recycled and disposed properly kept?		Verified via quarterly report
4.6 Collection of sludge by licensed collector at regular intervals?	✓ <u> </u>	
Packaging of Chemical Waste		
4.7 Stored in suitable container?	<b>/</b>	
4.8 Container properly closed or sealed?	✓ <u> </u>	
4.9 Spillage cleaned up immediately through the use of absorbent?	<b>✓</b>	
4.10 Obtained approval for the use of chemical waste container >450L?	<b>/</b>	
Labelling of Chemical Waste		
4.11 Provision of chemical waste label?	<b>/</b>	
a) Label is securely attached and visible?		
b) Label is bilingual and in proper dimension?		
c) Information is accurate and sufficient?		
Storage of Chemical Waste		
4.12 Proper "Chemical Waste" sign displayed?		
4.13 Incompatible wastes separated by impermeable partition?		
4.14 Containers kept in cabinet or receptacle of suitable material (if quantity <50L), or provided with drip trays capable of storing 110% of the volume of the largest container (if quantity >50L)?	✓	
4.15 Enclosed on 3 sides with no less than 2m in height or height of tallest container / stack of containers?		
4.16 Properly stored and locked in designated area with adequate ventilation?	<b>/</b>	<u> </u>
4.17 Storage area paved with concrete and kept clean and dry?		
4.18 Cover provided for outdoor storage area?		
4.19 Chemical waste collected by licensed collector?		
Liquid Waste Storage		
4.20 Storage area provided with permeation-proof floor or surface?	<b>/</b>	
4.21 Capacity of retention structure sufficient to accommodate contents of the largest container or 20% volume of the material in storage?	✓	

### **SITE INSPECTION CHECKLIST**



4.22	Walls or partitions of stacked container storage area constructed of impermeable material?	✓			
5.1	Alert workers and visitors of possible LFG hazards?  Smoking and open fires prohibited?	N/A	Yes 🗸	No	Remarks
<u>6. O</u> 1	<u>chers</u>	N/A	Yes	No	Remarks
6.1	Works confined within lot boundaries?		<b>√</b>		
6.2	Damage to surrounding areas avoided?		✓		
6.3	Site lighting designed to avoid glare to surrounding receivers?	✓			
6.4	Materials and machinery stored in an orderly manner?		<b>✓</b>		
6.5	Areas within lot for recycling activities paved with concrete?		<b>✓</b>		
6.6	Potential stagnant pools cleared and mosquito breeding prevented?		<b>✓</b>		
6.7	Valid calibration certificate for any monitoring equipment?	✓			Not required
6.8	Valid licence(s) obtained for manufacture or storage of dangerous goods?	✓			Not required
	a) Storage area in compliance with the approved plan?	<b>✓</b>			
	b) Storage area is securely locked?	<b>√</b>			
	c) Total storage capacity in compliance with relevant statutory requirement?	✓			
	d) Proper labelling provided?	<b>✓</b>			
	e) Dangerous goods properly packaged?	✓			

### Remarks:

### New Observations

· No major environmental deficiency was observed.

Signatures:

ET Representative:

Name Ronan CHAN

Date: 2018/11/20

Operator Representative:

Name:

May Wu

Date:

28 NOV 2018

Tenant Representative:

Jame: Mr. Kwan

Date: 30-11-18

IEC Representative:

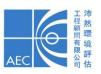
Date: 2018-Nov-27



	Inspection Date:         2018/12/13         Time:         11:20           Lot Number:         P8         Tenant:         On Fat Lung	Inspected by:	Ronan	CHAN
<u>Wea</u>	ther  Condition: Sunny ✓ Fine Overcast Drizzle  Temperature: 15 ℃ Humidity: High  Wind: Calm ✓ Light Breeze Strong	Rain  ✓ Moderate	=	Storm Hazy Low
1. G	<u>eneral</u>	N/A Yes	No	Remarks
1.2 1.3 1.4 1.5	Environmental Permit (EP) for Tenant displayed at entrances/exits?  Environmental Policy documented?  Environmental Management Plan (EMP) kept up-to-date?  Emergency Response Plan (ERP) documented?  All recycling processes in operation have been approved by WRG of EPD?  Any record of complaint or prosecution?			EP for tenant is not required.  UPML's Environmental Policy is followed  UPML's EMP is followed  UPML's ERP is followed
2. W	ater Quality	N/A Yes	No	Remarks
2.1	Valid Effluent Discharge Licence available?  a) Sampling record available?  b) Monitoring frequency met the licence requirement?  c) Monitoring result comply with the licence requirement?	✓       —         ✓       —         ✓       —		No wastewater is generated from recycling process
2.2	<ul><li>d) If exceedance is recorded, any follow-up action taken?</li><li>Provision of wastewater treatment facility (WTF) prior to discharge?</li><li>a) Adequate capacity?</li><li>b) Properly maintained and function normally?</li></ul>	Y Y		No wastewater is generated from recycling process
<ul><li>2.3</li><li>2.4</li><li>2.5</li><li>2.6</li></ul>	Surface run-off control measures in place and adequately maintained?  Surface run-off discharging into drainage system?  All manholes covered?  Foam, oil, grease, debris, rubbish and other objectionable matters prevented from			
2.7 2.8 2.9 2.10	entering nearby drains or sewer?  Storage of materials and equipment located away from water bodies?  Drainage system well maintained to prevent flooding or overflow?  Processes or activities with high risk of contamination located under covered area?  Installation of stop-logs in perimeter drainage system for uncovered areas where recovery			Stop-logs are available for use by tenant if needed.
	process with potentially high level of contamination is carried out?  Equipment oil and lubrication replacements performed only in bunded maintenance area?  Contaminated water collected in the surface drainage system is treated at water treatment facility or other appropriate treatment facility?	<ul><li>✓</li><li>✓</li></ul>		Replacement activity is not observed  No contaminated water was observed



2.13	Drainage from maintenance area discharged via oil interceptor?	✓	Not required
	a) Oil and grease removed regularly?		Not required
	b) Collected by licensed collector?	✓ □ □	Not required
2.14	Follow Cargo Handling Guideline to minimise the chance of accidental spillage during loading and unloading adjacent to marine frontage?		Not required
2.15	Bulk cargo and materials packed properly?		
2.16	Temporary stockpiles covered during rainstorms?		No dusty stockpile is observed
2.17	Measures to prevent the washing away of sand/silt to drains?	✓ <u> </u>	No sand/silt is generated from the recycling process
3. Ai	r Quality	N/A Yes No	Remarks
3.1	Valid Specified Process (SP) Licence available for all specified process?	✓ □ □	Not required
	a) SP Licence conditions / monitoring requirements comply?	✓ □ □	
3.2	Operate without generation of noticeable odour?		
	a) If odour is detected, can the source be identified?	✓	
	b) Odourous materials covered?	✓ □ □	
	c) If odour control system is installed, is it operating normally?	✓ □ □	
3.3	Dusty materials dampened prior to loading/unloading?		No loading/unloading of dusty materials is observed
3.4	Dust monitoring record available?		Not required
	a) Monitoring frequency met the licence requirement?		
	b) Any exceedance?	✓ □ □	
	c) If exceedance is recorded, follow-up action taken?	✓ □ □	
3.5	Dust-suppression measures provided where main dust-generating activities take place (i.e. enclosures or regular dampening)?		Dust-generating activity was conducted in indoor area
3.6	Open burning prohibited?		
3.7	Emission from chimney or powered plant free of black smoke?		
3.8	Vehicles and equipment switched off while not in use?		
3.9	Obtained approval for installation/alteration of furnace, oven or chimney consuming over 25L liquid fuel/hour, or 35kg solid fuel/hour, or 1150MJ gaseous fuel/hour?	<b>V</b>	Not required
3.10	Obtained approval for the use of liquid fuel with a viscosity point of ignition >30 centistokes or an equivalent viscosity?	<b>/</b>	Not required
3.11	Air pollution control system properly maintained and function normally?		
3.12	Dust collected by any air pollution control equipment installed by tenants tested to ensure compliance for landfill disposal?	<b>V</b>	
	a) Obtained approval for the use of controlled refrigerant?	✓ □ □	
	b) If yes, record of refrigeration equipment service available?	✓ □ □	
3.13	Only ultra-low sulphur diesel is used for activities requiring liquid fuel?	✓ □ □	
3.14	Public road around site entrance kept clean and free from dust?		
3.15	Materials transported on trucks covered?		Not observed



<ul><li>3.16 Truck loads to a level within the side and tail boards?</li><li>3.17 Stockpiles of dusty materials covered or regularly watered?</li></ul>	Not observed No stockpile of dusty material is observed
3.18 Major dust source(s):  Wind erosion  Loading/unloading of materials	Vehicle/equipment movement  ✓ Others: n/a
4. Waste / Chemical Management	
General	N/A Yes No Remarks
4.1 Registered as chemical waste producer?	
4.2 Sufficient receptacles (e.g. rubbish bins) available?	
4.3 Disposed of regularly and properly?	
4.4 Sorting of materials on-site for reuse or disposal to designated outlet?	
4.5 Records of quantities of waste generated, recycled and disposed properly kept?	Verified via quarterly report
4.6 Collection of sludge by licensed collector at regular intervals?	
Packaging of Chemical Waste	
4.7 Stored in suitable container?	
4.8 Container properly closed or sealed?	
4.9 Spillage cleaned up immediately through the use of absorbent?	
4.10 Obtained approval for the use of chemical waste container >450L?	
Labelling of Chemical Waste	
4.11 Provision of chemical waste label?	
a) Label is securely attached and visible?	
b) Label is bilingual and in proper dimension?	
c) Information is accurate and sufficient?	
Storage of Chemical Waste	
4.12 Proper "Chemical Waste" sign displayed?	
4.13 Incompatible wastes separated by impermeable partition?	
4.14 Containers kept in cabinet or receptacle of suitable material (if quantity <50L), or provided with drip trays capable of storing 110% of the volume of the largest contain	ner (if quantity >50L)?
4.15 Enclosed on 3 sides with no less than 2m in height or height of tallest container / sta of containers?	ack
4.16 Properly stored and locked in designated area with adequate ventilation?	
4.17 Storage area paved with concrete and kept clean and dry?	
4.18 Cover provided for outdoor storage area?	
4.19 Chemical waste collected by licensed collector?	
Liquid Waste Storage	·
4.20 Storage area provided with permeation-proof floor or surface?	
4.21 Capacity of retention structure sufficient to accommodate contents of the largest container or 20% volume of the material in storage?	

### SITE INSPECTION CHECKLIST



4.22	Walls or partitions of stacked container storage area constructed of impermeable material?	
5. La	ndfill Gas (LFG) (within LFG Consultation Zone)	N/A Yes No Remarks
5.1	Alert workers and visitors of possible LFG hazards?	
5.2	Smoking and open fires prohibited?	
6. Ot	<u>hers</u>	N/A Yes No Remarks
6.1	Works confined within lot boundaries?	
6.2	Damage to surrounding areas avoided?	
6.3	Site lighting designed to avoid glare to surrounding receivers?	
6.4	Materials and machinery stored in an orderly manner?	
6.5	Areas within lot for recycling activities paved with concrete?	
6.6	Potential stagnant pools cleared and mosquito breeding prevented?	
6.7	Valid calibration certificate for any monitoring equipment?	Not required
6.8	Valid licence(s) obtained for manufacture or storage of dangerous goods?	Not required
	a) Storage area in compliance with the approved plan?	
	b) Storage area is securely locked?	
	c) Total storage capacity in compliance with relevant statutory requirement?	
	d) Proper labelling provided?	
	e) Dangerous goods properly packaged?	
Rem	arks:	
New	Observations	
•	No major environmental deficiency was observed.	

Signatures:

ET Representative:

Name: Ronan CHAN

Date: 2018/12/13

Operator Representative:

Name: May Wu

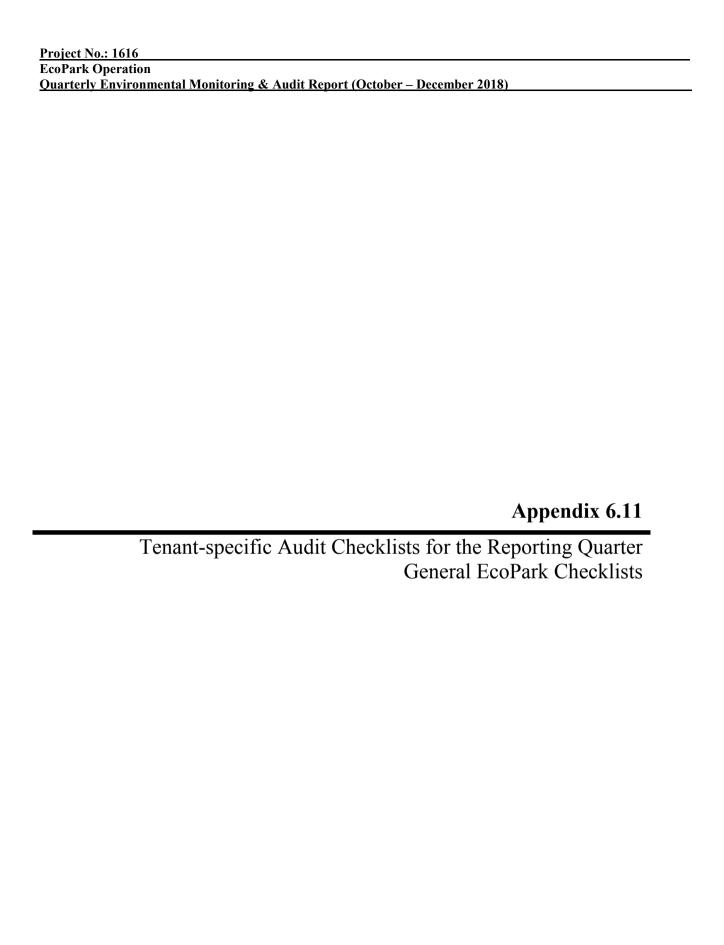
Date:

Tenant Representative:

Name

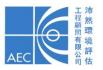
Date:

IEC Representative:



Issue 1\_\_\_\_\_AEC

### SITE INSPECTION CHECKLIST



Inspection Date: Lot Number:	2018/10/24 n/a	Time: Tenant:	09:30 - 13:00 n/a	Inspected by:	Ronan CHAN David TSANG	
Weather  Condition:  Temperature:  Wind:	26 ℃		Overcast Drizzle Humidity: High Breeze Strong	✓ Moderate	Storm	Hazy

### Follow-up from Previous Audits

### **HKBRC**

1) The tenant was requested to provide hoarding along the site boundary.



(Observed on 18 September 2018)



(Observed on 24 October 2018)

2) Although open stockpile of dusty materials was not observed during site inspection, the tenant was also reminded to implement the required dust control measures and to notify the Authority for carrying out notifiable work, for satisfying with the requirements stipulated in the Air Pollution Control Ordinance, in particular Air Pollution Control (Construction Dust) Regulation.



(Observed on 18 September 2018)



(Observed on 24 October 2018)

3) During site inspection, no temporary site drainage system was observed for collection and treatment of construction wastewater. The tenant should apply for a Discharge License under Water Pollution Control Ordiance (WPCO) and establish a construction site drainage system, including provision of wastewater treatment facilities to ensure wastewater is treated effectively prior to discharge and compliance with WPCO.

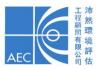


(Observed on 18 September 2018)



(Observed on 24 October 2018)

### SITE INSPECTION CHECKLIST



### WEEE Refurbishment Centre

1) Vegetation, styrofoam debris, and rubbish were observed near and inside the perimeter drainage near the lot entrance and resulted in drainage blockage. The tenant was requested to remove the mentioned obstacles from the perimeter drainage in order to maintain drainage clearance.



(Observed on 18 September 2018)



(Observed on 24 October 2018)



(Observed on 24 October 2018)

### **New Observation**

### **HKBRC**

· No major environmental deficiency was observed.

### Li Tong

· No major environmental deficiency was observed.

### WEEE Refurbishment Centre

· No major environmental deficiency was observed.

### Other Areas

· No major environmental deficiency was observed.

**Signatures:** 

ET Representative:

Name Ronan CHAN

Date: 2018/10/24

Operator Representative:

Name: May Wu

Tenant Representative:

Name:

Date:

Name: Date:

IEC Representative:

### SITE INSPECTION CHECKLIST



Inspection Date: Lot Number:	2018/11/20 n/a	Time: 09:3 Tenant:	80 - 13:30 n/a	Inspected by:	Ronan CHAN	
Weather  Condition:  Temperature:  Wind:	25 ℃	Fine Overcast  Humidit  Light Breeze		Rain Moderate	Storm	Hazy

### Follow-up from Previous Audits

### **HKBRC**

1) The tenant was requested to provide hoarding along the site boundary.



(Observed on 24 October 2018)



(Observed on 20 November 2018)

2) Although open stockpile of dusty materials was not observed during site inspection, the tenant was also reminded to implement the required dust control measures and to notify the Authority for carrying out notifiable work in order to satisfy with the requirements stipulated in the Air Pollution Control Ordinance, in particular Air Pollution Control (Construction Dust) Regulation.



(Observed on 24 October 2018)



(Observed on 20 November 2018)

3) During site inspection, no temporary site drainage system was observed for collection and treatment of construction wastewater. The tenant should apply for a Discharge License under Water Pollution Control Ordiance (WPCO) and establish a construction site drainage system, including provision of wastewater treatment facilities, to ensure wastewater is treated effectively prior to discharge and compliance with WPCO.



(Observed on 24 October 2018)



(Observed on 20 November 2018)

### SITE INSPECTION CHECKLIST



### WEEE Refurbishment Centre

The tenant had cleared the vegetation, styrofoam debris and rubbish near and inside the perimeter drainage near the lot entrance.



(Observed on 24 October 2018)



(Observed on 24 October 2018)



(Observed on 20 November 2018)

### **New Observation**

### **HKBRC**

No major environmental deficiency was observed.

### Li Tong

No major environmental deficiency was observed.

### Other Areas

No major environmental deficiency was observed.

Signatures:

ET Representative:

Name: Ronan CHAN

Date: 2018/11/20 Operator Representative:

May Wu

28 NOV 2018 Date:

Tenant Representative:

Name:

Date:

IEC Representative:

Gerald Van

### SITE INSPECTION CHECKLIST



Inspection Date:  Lot Number:	2018/12/13 n/a	Time: Tenant:	09:30 - 13:15 n/a	Inspected by:	Ronan CHAN	
Weather  Condition:  Temperature:  Wind:	15 ℃	Fine Light	Overcast Drizzle Humidity: High Breeze Strong	Rain  Moderate	Storm	Hazy

### Follow-up from Previous Audits

### **HKBRC**

1) The tenant was requested to provide hoarding along the site boundary.



(Observed on 20 November 2018)



(Observed on 13 December 2018)

2) Although open stockpile of dusty materials was not observed during site inspection, the tenant was also reminded to implement the required dust control measures and to notify the Authority for carrying out notifiable work in order to satisfy with the requirements stipulated in the Air Pollution Control Ordinance, in particular Air Pollution Control (Construction Dust) Regulation.



(Observed on 20 November 2018)



(Observed on 13 December 2018)

3) During site inspection, no temporary site drainage system was observed for collection and treatment of construction wastewater. The tenant should apply for a Discharge License under Water Pollution Control Ordiance (WPCO) and establish a construction site drainage system, including provision of wastewater treatment facilities, to ensure wastewater is treated effectively prior to discharge and compliance with WPCO.



(Observed on 20 November 2018)



(Observed on 13 December 2018)

### SITE INSPECTION CHECKLIST



### **New Observation**

### **HKBRC**

No major environmental deficiency was observed.

### Other Areas

· No major environmental deficiency was observed.

Signatures:

ET Representative:

Name: Ronan CHAN

Date: 2018/12/13

Operator Representative:

Name:

Date:

May Wu

21 - Dec-208

Tenant Representative:

Name:

Date:

IEC Representative:

Name:

Date: