A	食水含鉛超標調查委員會	2016年1月22日	A
В			В
C	2016年1月22日		C
D	上午 10 時 03 分恢復聆訊		D
E	出席人士: 石永泰資深大律師、許偉強大律師及鄭府 律師,代表食水含鉛超標調查委員會	(琪大律師,為外聘	E
F	殷志明大律師,由羅夏信律師事務所延聘 員會	,代表香港房屋委	F
G	王鳴峰資深大律師、陳樂信大律師及羅頌 司延聘,代表水務署署長	頁明大律師,由律政	G
H I	鍾耀明大律師,由的近律師行延聘,代表公司	是保華建築營造有限	H
J	黃佩琪大律師及李頌然大律師,由顧增海 有利建築有限公司、明合有限公司及伍克		J
K	子士打律師行陳宇文律師及梁樂鋒律師, (香港)有限公司	代表中國建築工程	K
L M	子士打律師行陳韻華律師,代表瑞安 承 建	有限公司	L M
N	主席:係,Mr Khaw。		N
0	T.111 . 197. 111 . I.110.m.		0
P	香港房屋委員會第十六證人:黃比(水質事務諮詢委員至 2008 年代表房屋署)宣誓繼續作供	員會委員(於 2000	P
Q	許偉強先生盤問		Q
R	問:黃生,早晨。		R
S	答:早晨。		S
T	問:係。我就代表委員會有啲問題想同你討論一下。履證人口供嘅第7段,即係Y1,第38頁。Y1,38 度都講咗少少背景,就話你初次參加嗰個 ACWQS	頁,第7段,咁嗰	T
U	既時候,即係你嗰個扮演個角色係乜嘢嘅。你嗰店		U
T 7			

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A	食水含鉛超標調查委員會	2016年1月22日	A
В			В
C	當時就係話使用銅喉作為畀即係總承建商多一個選擇 你應該係咪記得,即係就住呢個課題?	尾呢方面,我相信	C
D	答:講番啲歷史背景。		D
E	問:好呀。		E
F	答:我哋保養嗰面有啲 re-plumbing programme,就做,因為當時嗰個 GI pipe唔准用,咁我哋就有個		F
G	問:唔。		G
Н	答:咁有個 programme,我哋响保養部都考慮過好多種中有一種就係用銅喉嘅,用銅喉,咁我哋都累積咗少		Н
I J	問:明白。或者我畀你睇一睇其中有個你哋聯絡小組個會 我哋即係 refresh 下個 memory,睇下。	議紀錄,咁或者	I J
K	答:好呀,好呀。		K
L	問:如果你打開 B15.4。		L
M	答:第幾次嘅會?		M
N	問:B15.4,我可以直情畀個文件夾你。係呢個 1999 年 9 meeting 嘅第七個, number 7。	月 15 號,group	N
O	答:係,係。		o
P	問:好。		P
Q	答:我有,不過冧巴唔同,唔緊要,唔緊要,		Q
R	問:唔緊要,我諗你可以		R
	答:大家搵到嘅。		
S	問:是但睇一個都得嘅。		S
T	答:係。		T
U	問:呢度我見到就係第七個會議,1999 年 9 月 15 號 development and construction branch 嘅同		U
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A	食水含鉛超標調查委員會 2016年1月22日	A
В		В
C	喺呢個應該個會議紀錄有個附件嘅,個附件嗰度有個 report,唔知 你有冇搵到?	C
D	答:有。	D
E	問:個 report 就喺個文件夾嘅 40002。	E
F	答:唔。	F
G	問:我哋可以睇下呢度,咁最主要呢個 report,當時都係就住你哋個聯絡小組而即係去準備嘅。我想問一問,你有冇份參與即係製造呢一個report?	G
H	答:我記得當時我哋有一組 technical development 嘅 team,嗰啲	Н
I	同事係負責	I
J	問:明白。	J
K	答: compile 呢個	K
L	問:呢個 report 嘅,係咪呀?	L
M	答:report 嘅。	M
	問:好。	
N	答:咁 report 曾經上過會嘅,上過 maintenance committee,咁就 endorse 過嘅。	N
0	問:係,有錯。	0
P	答:咁就我有睇過。	P
Q	問:唔。有睇過? 問:唔。有睇過?	Q
R	答:我有睇過。	R
S	問:即係我個問題就係你本人就有話參與嗰個制訂嗰個工作,係咪呀?	S
Т	答:係嘞,有去落手落腳去畀意見,	Т
	問:明白,明白。	
U	16, 71 H 71 H	U
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Transcript by DTI Corporation Asia, Limited

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A	食水含鉛超標調查委員會	2016年1月22日	A
В			В
C	問:即係你嘅意思係話你當時嗰個討論都有即係參考過,	•••	C
D	答:有睇過呢個,有睇過,		D
E	問:係咪呀?水務署		Е
_	答:因為呢個係權威嚟噪嘛,呢個。		_
F	問:水務署就住		F
G	答:Water Authority出過一本咁嘅書仔,我唔知呢個當時。	係咪最 update	G
Н	問:Okay,明白。就係呢個我		Н
I J	答:我唔清楚,不過我又有即係睇到呢個 copy,即係其實嘅,好多。	好多 material	I J
K	問:明白,明白。我咁樣總結下係咪咁,呢個就 1994 年 出嘅一個即係文件,咁就入面有講到啲唔同物料		K
L	materials 講緊,係咪呀?		L
M	答:唔。		M
N	問:即係你嘅意思就係話當年,即係喺你哋聯絡小組去討 係例如銅喉個好處、壞處嘅時候,其中一個參考嘅資 署發出嘅資料?		N
0	答:唔係聯絡小組討論,		O
P	問:唔,係。		P
Q	答:而係我哋即係 draft 嗰個		Q
R	問:Draft 個 report 嗰個?		R
S	答:Draft report 嗰陣時係參考咗呢個。		S
T	問:唔,明白,好。當時我想問下,就住呢個銅喉即係個論,咁例如你哋個聯絡小組當時都應該會有期望到, 喉就係大規模咁樣使用嘅,可能有啲即係物料或者	即係如果真係銅	Т
U	料,以前可能比較少用嘅,跟住落去就會大批咁樣用		U
v	- 8 - Transcript by DTI Corporation Asia Limited		V

A	食水含鉛超標調查委員會 2016年1月22日	A
В		В
C	會嘅, 係咪呀? 即係有咁考慮過嘅?	C
D	答:聯絡小組有考慮呢啲問題,	D
E	問: 有考慮呢個問題?	E
F	答:因為當時大家用緊唔同嘅嘢,lined GI pipe 係大規模用緊响 新樓部。	F
G	問:係,唔。	G
Н	答:保養部就雜崩嚨,又有 GI,	Н
T	問:有錯。	
Ι	答:又有乜又有物,因為一定要保養,以前剩落。	I
J	問:有錯。	J
K	答:咁我哋就有少少關於銅喉嘅經驗,咁只不過係大家 exchange 一啲即 係大家嘅經驗同埋意見。	K
L	問:唔,係。	L
M N	答:咁就我哋唔期望當時响嗰個 period 我哋即係唔知道新樓部係採用 邊樣。	M N
	問:明白。你就講話當時大家分享經驗,喺個小組度,係咪呀?咁至於你	
О	她如果係做緊即係保養嗰個部門嘅,因為以前都處理銅喉有啲經驗, 咁所以亦都分享畀例如即係建築嗰邊,design 嗰邊咁。我想問一問,	О
P	就係你哋之前話喺個 maintenance 嗰方面對銅喉有經驗,嗰陣時你 嗰個經驗係一般嚟講,係講緊即係一啲攢杬式嗰個接駁嘅銅喉,定係	P
Q	一啲即係 solder joint 嘅銅喉?	Q
R	答:我哋嘅經驗其實係累積返嚟嘅,即係基本上都係睇番水務局佢有呢個 小冊子用咩嘢料。	R
S	問:唔,唔。	S
T	答:另外,水務局亦都有另外一個 guidanceguide to re-plumbing	T
U	fresh water supply 嘅。	U
T 7		

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Transcript by DTI Corporation Asia, Limited

A	食水含鉛超標調查委員會 2016年1月22日	A
В		В
C	角度嚟睇,咁即係話如果真係大批咁使用銅喉,即係對你真係做維修 嘅時候,都可能要即係清楚知道用啲咩嘢物料,可能會即係用嗰個工	C
D	序係點呀,如果維修方面有啲咩嘢問題,即係嗰啲你都當時知道,如 果萬一用銅喉,都要清楚嗰方面嘅資訊?	D
E	答:我哋著重點,因為有 book,即係希望即係做嘢就係以人為本嘅,	E
F	問:係。	F
G	答:即係樣樣都係從嗰個租客個角度,就係點樣係最方便、最快脆。	\mathbf{G}
Н	問:係。	н
I	答:咁我哋點解銅喉會用,我就記得就係我哋話即係响我哋自己保養嗰面傾,就係話 ease submission,即係容易啲,同埋又唔會即係最緊要係快脆,readily available,咁就純粹快脆,	I
J	問:明白,明白。	J
K	答:我哋就係咁樣响呢個認知之下,就試嗰個銅喉嘅。	K
L	問:好。我想問一問,就係啱啱我講過嗰個唔同嘅即係銅喉嘅種類,有攢 杬,有即係 solder joints 嘅。	L
M	答:係,係。	M
N	問:你記唔記得當時喺你哋個 liaison 嗰個 group 入面,有冇特別話就	N
0	住用邊一隻物料去討論?	o
P	答:冇,冇,冇,冇。	P
Q	問: 有嘅?	Q
R	答: 有嘅, 有,	R
	問:有有話	
S	答:有去到咁仔細嘅。	S
T	問: 方去到咁仔細嘅,好。我哋睇下跟住一路嗰個小組嘅討論,就有幾個 跟進嘅文件想你睇一睇。首先,就係 40012,呢個就係第九次嗰個會	T
U	議,2000年1月18號嘅。佢呢度就喺2.4嗰度,就有講到就係呢	U

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Transcript by DTI Corporation Asia, Limited

A	食水含鉛超標調查委員會 2016年1月	A
В		В
C	一個等緊個 final report 嘅,當時。咁似乎我哋睇下個"Act啊一欄,即係隔籬嗰個 margin,就講緊嗰個 final report !	就應該
D	係"CBSE"同埋即係"CA/D&S",即係 development and star 嗰邊去負去制定嘅。	ndard D
E	答:唔。	E
F	問:即係我問下你,就係呢個 final report,咁跟住就如果我唱或者我問一問你先,就係有冇即係呢個 final report	银住有
G	有做過出嚟? 	G
Н	答:我唔記得。	Н
I	問:唔記得?	I
J	答:因為呢兩位都係應該係新樓部嘅。	J
	問:係。因為跟住我見到你哋個討論,就係例如講緊如果我們	地講番
K	40023。40023,2.2 嗰度,就係都係講緊"Action in hand;.咁就話個"chief building services engineer v	
L	pass the draft final report to SMS/TD for comr 咁樣。	nent" L
M	然後,就去到 40031。40031,就 2.2.1,呢個就係講緊疑	银住一 M
N	次過會議,就係 meeting 12,2000年8月嘅時候,咁就講覧話 SMS 係呢個	緊就係 N
0	答:Technical development。	0
P	問:係嘞,technical development,係嘞,呢個係應該係個.	Р
Q	答:保養嗰面。	Q
R	問:保養嗰方面,係嘞,嗰個 maintenance surveyor,	R
	答:係。	
S	問:應該 senior maintenance surveyor?	S
T	答:係,係。	T
U	問:咁就係"had given reply on the Report for CBSI	E/2's U
V	- 12 - Transcript by DTI Corporation Asia, Limited	V

A	食水含鉛超標調查委員會 2016年1月22日	A
В		В
c	答:係呀,佢話係	C
D	問:條仲未好清楚嘅,係咪呀?	D
E	答:係呀,兩個都有 rule out 嘅。	E
F	問:明白。即係呢個時候都仲係研究緊再作進一步嘅研究,先至可以作出 一個即最後嘅決定,係咪呀?	F
G	答:但係個決定就係 construction branch 嗰面決定,唔係	G
Н	問:係邊個 branch?	Н
I	答:Construction branch,	
1	問:Construction branch。	Ι
J	答:即係起新樓嗰面決定。	J
K	問:唔。大概你記唔記得例如呢個係 2000 年左右嘅討論,大概幾時喥, 即係 construction branch 嗰度係決定話用銅喉咁樣?	K
L	答:好可能佢哋會試嘅,即係我唔記得 exactly	L
M	問:唔,唔緊要。	M
N	答:幾時,都係嗰個左右,即係	N
0	問:係,明白。	o
P	答:二零	P
Q	問:2000 年年頭,即係 2000 年初?	Q
	答:唔係,唔係,2002 之後嘅事嚟架嘞,	
R	問:係,明白。	R
S	答:就算佢做 trial 都好。	S
T	問:好。我想問一問,就係你之前就一路傾緊即係選擇唔同類型嘅喉管嗰	T
U	個材料,即係大家有啲咩嘢好處、壞處,但係未有定案咁嘅。到即係 2000年初嘅時候,即係 2000至 2002 喥我哋知道,2002 就直情有	U
V	- 15 - Transcript by DTI Corporation Asia Limited	\mathbf{v}

A	食水含鉛超標調查委員會	2016年1月22日	A
В			В
C	啲 revised specifications 係講咗用銅喉嗰啲 你再跟進下嗰方面。	,我一陣間會同	C
D	答:唔。		D
E	問:咁呢段時間,當時話決定咗用銅喉,我想問下,例如		E
F	會去諗下,用銅喉即係可能會有啲乜嘢危險或者風險 居民會唔會個身體有啲咩嘢影響,呢方面,即係當時 房署有有咩嘢特定嘅部門去到去即係檢視呢樣嘢?		F
G	答:有嘅,有嘅。		G
Н	問:有嘅,okay。		Н
I	答:即係你大約講風險管理嗰個考慮吖嘛?		I
J	問:係嘞,有錯。		J
K	答:我當時記得就唔係有傾呢啲嘢。		K
L	問:有傾呢啲嘢嘅,唔。		L
M	答: 咁記唔記得話就住可能要用銅喉或者決定咗用銅喉, 件即係用咩嘢牌子,即係邊啲可以符合規格嗰方面嘅 供應商即係你哋部門又好,或者其他部又好,你記	我,有方話你哋同	M
N	商有啲咩嘢接洽大家去傾下,「喂,用啲咩嘢嘢?」知?		N
0	問:因為我哋响個聯絡quality liaison group 嗰	1度,大家分享經	0
P	驗,或者有啲咩嘢惡果,有啲嚴重,先至交換嘅啫。		P
Q	答:係。		Q
R	問:開頭點樣做,當然係負責個 project 嗰邊嘅部門負	責。	R
S	答:唔,好。		S
T	問:即係佢係 designer,佢梗係會諗呢啲嘢,		Т
_	答:明白。		
U	問:即係我哋唔會响嗰度好深入咁樣傾呢啲。		U
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A	食水含鉛超標調查委員會 2016年1月22日	A
В		В
C	答:明白。即係你個意思就係話如果選擇咗用銅喉,真係要同供應商去即 係睇下用啲咩嘢物料嗰啲,嗰個就會係建築嗰方面,即係 design 嗰	C
D	方面個同事?	D
E	問:嗄,佢哋會,因為我記得我哋保養都係參考水務局嗰本嘢,水務局嗰 本嘢其實有啲 approved list 嗰類咁嘅嘢嘅。	E
F	答:係。	F
G		G
Н	主席:有啲咩嘢話?對唔住。	Н
I	許偉強先生:Approved list。	I
J	答:Approved list,即係你用嗰啲就穩陣,或者你	J
K	問:明白。所以就你嘅角度或者你嘅部門嘅角度嚟睇,	K
L	答:我即像	L
M	問:即係如果要	M
N	答:唔需要討論嘅,即係佢一定會佢又會入紙去水務局攞 approval,咁佢又會跟嗰啲 guideline,	N
O	問:明白。	0
P	答:所以有諗呢啲嘢,有傾呢啲嘢。	P
Q	問:明白,好,明白,唔。以你嚟講,即係當時嗰個討論緊話轉唔轉用銅 喉咁樣,即係以你嘅認知,或者你對個市場嘅認識,咁改咗之後,即	Q
R	係決定咗用銅喉,嗰個市場上嚟講,即係應該都係好準備充足嘅,即 係如果你要去改嘅話,即係喺市場上面係可以迎合到呢樣嘢嘅,係咪	R
S	呀?	S
T	答:我有	T
U	問:因為市場上私人	U
X 7		
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Transcript by DTI Corporation Asia, Limited

 \mathbf{V}

A	食水含鉛超標調查委員會 2016年1月22日	A
В		В
C	通,就住嗰啲物料嘅 specification,會同你哋有啲乜嘢即係有啲商量、有啲溝通,即係知道,「喂,有啲乜嘢 specification 嘅,	C
D	就住呢個 project。」即係你哋係咪都有呢個溝通?	D
E	答:我說 individual officer 大家討論下就會有,但係如果佢需要, 佢多數會寫過嚟嘅,	E
F	問:明白。	F
G	答:即係寫過嚟,我哋會 formal 答佢咁嘅。	G
Н	問:好呀。或者我哋	Н
I	答:其實唔係好多討論嘅,我記得當時。	
1	問:明白,好。或者我哋睇一睇 15.3,個文件夾 15.3。	I
J		J
K	主席:15.3。	K
L		L
M	問:B15.3,39600。呢個我哋就其實都睇過都幾次,就係當時應該係2002 年7月喥,就係呢個 development 嗰邊嘅,	M
N	答:係。	N
0	問:咁就出咗一個	O
P	答:DCMBI。	P
Q	問:呢個 DCMBI 咁嘅 instruction,咁就應該係全方位咁樣發布。	Q
R	答:唔。	R
S	問:咁如果我哋睇下 39605 嗰度,咁個 distribution 應該就即係概括 面都好大嘅,係咪呀?	S
T	答:係呀,係呀。	Т
U	問:應該我諗	U
V	- 19 - Transcript by DTI Corporation Asia Timited	V

A	食水含鉛超標調查委員會	2016年1月22日	A
В			В
C	答:我哋收到嘅。		C
D	問:你哋都收到嘅,係咪呀?		D
E	答:唔,唔。		E
F	問:即係因為我見到"AD/M"嗰度,都應該有你哋部門都 都有睇過呢份嘢當時,係咪應該?記唔記得?	收到嘅。你本人	F
G	答:AD我記得我係做 M2。		G
Н	問:係嘞,你係 M2 嘅。		Н
I	答:但係佢冇		I
	問:但係我就係想知一知,當時例如出咗呢份嘢,		1
J	答:AD/M3 就我哋保養嗰面嗰個 headquarter 嗰個 AD	嚟嘅,	J
K	問:係。咁		K
L	答:佢就處理同新樓嗰面聯絡嘅。		L
M	問:明白,咁		M
N	答:咁所以我呢份嘢,我唔係好有印象係詳細睇過。		N
0	問:明白。		0
P	答:可能即係 circulate,响啲地方會睇過都唔定,但 我個印象。	. 係我唔係好深,	P
Q	問:唔。但係咪詳細睇過都好,我想問下當時即係都知道 新咗嘅 specification,即係呢一個制訂,係唔都即		Q
R	當時?		R
S	答:因為呢個係 library 嚟嘅,即係 Specification 乜嘢物料佢有新嘢,佢就擺落去,咁佢點樣採用就個 同。	-	S
T	問:明白。		T
U	答:即係當然我哋保養部有同事睇過,咁我就唔係		U
V	一个 的		V

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 \mathbf{V}

A	食水含鉛超標調查委員會	2016年1月22日	A
В			В
C	許偉強先生:係。		C
D			D
E	主席:等一陣吓,工專,Hong Kong Technical C 讀乜嘢?我想問一問。	ollege。你本身係	E
F	答:我係讀 building surveying。		F
G	主席:唔。得,繼續。		G
Н	許偉強先生:好。		н
I	問:即係你係講緊讀工專嘅時候,係咪就係即係當時特	寺別係就住有關水務	I
J	方面嘅課題,	4 774 171 476 177 7 4 1919 7 1 4979	J
K	答:係。		K
L	問:係有講到即係關於唔好用含鉛呢樣嘢?		L
M	主席:唔好用鉛。		M
N			N
0	問:即係唔好用鉛嘅呢樣嘢?		0
P			P
Q	主席:係,係,唔係唔好用喉。		Q
R			R
S	答:我唔記得 exactly 嗰陣時阿 Sir 點講,但係嗰 case,我哋 UK 外面真係用鉛嚟做喉個喎咁樣,所嗰啲鉛唔係問題,因為佢到咁上下又 form 一浸啤	所以當時就話「欸,	S
T	事嘅。」	47 نا 47 مسلم مسلم	T
\mathbf{U}	問:係,係,係。		U
V	- 22 - Transcript by DTI Corporation Asia Limited		V
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A	食水含鉛超標調查委員會	2016年1月22日	A
В			В
C	答:咁當時個認知就係咁,但係「唔好用,唔好亂咁用」	咁樣。	C
D	問:即係有講到唔好亂咁用咁樣?		D
E	答:即係唔好即係提過,响課堂提過。		E
F	問:係,好嘞,唔。我想問一問你,就係將個時間就再褪 呢個你講緊一九七幾年,你講緊書嘅時候就有呢方面		F
G	答:係。		G
Н	問:好嘞,去到我哋講緊例如 2002 年左右,即係話要用 銅喉,咁即係有有當時就話你個記憶,即係有冇特 喉,就唔好用有鉛嘅物料做銅喉喎」咁樣,有冇特別	別去諗話「用銅	Н
I	答:冇,冇,冇,因為第一,唔好用鉛造嘅水喉,我就一	定會。	Ι
J	問:係。		J
K	答:我哋記得因為水務署有一本嗰本書仔,其實介紹銅喉,		K
L	方事嚟,即係邊個 project 我哋亦都係參考佢,因 到好多嘢,水務署嗰本嘢。	為我哋响嗰度學	L
M	問:明白,好。		M
N	答:咁所以有特別考慮。		N
0	問: 有特別考慮?		o
P	答: 更加唔會考慮咩嘢含鉛乜嘢 solder,即係當時有呢 海裏面,黃水事件,黃水事件,唔係鉛水,黃水事件日 日日都上嚟請願,即係我哋一定要諗方法解決佢,咁戶	日都畀人轟炸,	P
Q	問:明白。我知道你剛才同我講話你對於 2002 年		Q
R	specifications,就即係唔係話好詳細咁睇過。	II-1 II-1	R
S	答:唔。		S
T	問:我就想帶你去睇一睇其中有一個環節,就喺呢個 15.3 嗰度。	,B15.3,39616	T
U	答:DCMBI 嗰張?		U
v	- 23 -		v

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A	食水含鉛超標調查委員會 2016年1月22日	A
В		В
C	問:有錯。	C
D	答:係幾多?B,邊一張?	D
E	問:係 39616 嘅	E
	答:39616?	
F G	問:係嘞,其中一個條款就係 SUP 1.M178.N,即係"SOLDERING ALLOYS"嗰度。	F G
	答:M178.N?	
Н	問:係嘞,M178.N。	Н
I	答:徐。	I
J	問: "SOLDERING ALLOYS FOR COPPER AND COPPPER ALLOY	J
K	CAILLARY FITTINGS"嗰度,睇到嘛?	K
L	答:係。	L
M	問:呢度我哋都而家睇到,就係當時似乎屋字裝備工程嗰個 team 嗰啲同事,就即係開宗明義都講得好清楚,就話即係淨係能夠用一啲	M
N	lead-free category 嘅 solders 咁樣。咁我想一問就係話,即 係照咁睇,就似乎當時房署都有同事係即係將呢樣嘢就好斬釘截鐵咁 講咗出嚟,就係話唔好用 lead-free 嘅 solder,即係 identify	N
o	到呢一個咁嘅可能有嘅危險,就咁睇。	0
P	答:唔,唔。	P
Q	問:我想問下,就住即係呢啲咁嘅物料點樣去遵守呢啲英國標準,唔好用 啲咩嘢有重金屬嘅物料、含鉛嘅物料咁樣,即係呢方面,跟住仲有冇 你哋有再討論呢方面嘅嘢?	Q
R S	答:有呀,我保養就有好深入去 participate 响呢個 specification 度嘅 review。	R S
	問:明白。	
T	答:同埋佢整咗出嚟,我哋都深信佢係跟 British Standards 嘅。	Т
U		U
\mathbf{V}	- 24 -	\mathbf{v}

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A	食水含鉛超標調查委員會 2016年1月22日	A
В		В
C	問:好。而家或者我哋睇一睇你喺嗰個 ACQWS 入面,即係嗰啲開會嘅一啲紀錄。	C
D	答:	D
E	問:如果我哋睇番一路講緊就係個 Paper No. 7 嘅,咁就如果我哋睇番呢個 Y1 嘅 27 頁。	E
F	答:邊個會議?	F
G	問:第三個會議。	G
Н	答:第三個會議?	Н
I	問:2001年1月15號。	I
J	答:係,係。	J
K	問:係嘞。	K
L	答:Paper No.7?	L
M	問:佢有提及 Paper No.7 嘅個會議。	
	答:係。	M
N	問:即係我講緊個會議就係 minutes of the third meeting。	N
0	答:Minutes of third meeting嘅,好,好。	0
P	問: 係嘞, 2001 年 1 月 15 號, 喺 Y1 嘅 27 頁。	P
Q	答:係。	Q
R	問:係嘞。咁就呢個係 2001 年,就即係我哋如果睇番個時間表,似乎都 係即係你哋嗰個聯絡小組當時如果有討論緊即係使用銅喉嗰個咁上	R
S	下個階段,1999 年、2000 至到 2002 呢個階段。 你有出席到呢 個會議,黃生?	S
T	答:係,係,係。	T
U	問:咁喺呢個會議,我哋講緊如果睇番 internal page three,即係 第 6.1 段,我哋文件夾嘅 29 頁。咁呢度就係有討論過嗰個 paper	U
V	- 25 - Transcript by DTI Corporation Asia, Limited	V

A	食水含鉛超標調查委員會	2016年1月22日	A
В			В
C	No.7 嘅,睇到嘛?		C
D	答:係,係。		D
E	問:就係個 Paper No.7 就係講緊"Quality Buildings"。	of Water in	E
F	答:唔,唔。		${f F}$
G	問:如果我哋睇番 Paper No.7,就應該就喺文件夾嘅第 能你自己有個 Paper No.7。	7頁,黃生,可	G
Н	答:係呀。		Н
I	問:就你如果睇		I
J	答:Paragraph 6.1,係咪講緊?		J
K	問:The paragraph 9。		K
L	答:9?		L
M	問:係嘞。呢度就		M
	答:你而家講緊 Paper No.7, 唔係講 minute?		
N	問:係。		N
0	答:好。		0
P	問:而家講番就係 Paper No.7。		P
Q	答:係,係。		Q
R	問:係嘞,就 Paper No.7 嘅 paragraph 9。		R
S	答:Paragraph 9,係。		S
T	問:咁喺 minute 入面就講咗 Paper No.7 喺嗰個會議咁。	度係有討論到嘅	T
U	答:呢個 Paper No.7 就响會議紀錄就話討論過。		U
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答: 有, 有, 有, 或者佢有...

問: ...知道呀?

答: 鉛喉釋出鉛我就知,即係當時有人講銅喉釋出鉛呢一樣嘢,...

問:明白。

 \mathbf{V}

S

T

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U

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A	食水含鉛超標調查委員會	2016年1月22日	A
В			В
C	答:即係我嘅認知。		C
D	問:明白。		D
E	答:即係我雖然唔係咁 adequate 响呢個 water engi	neering °	E
-	問:係。咁就你喺你嘅證人口供,就		
F			F
G	主席:想問下你哋,即係你哋嗰啲 maintenand branch, Housing 裏面,我知道 building ser		G
H I	瓣,咁其實你哋有冇話有啲人係特別叻啲係水,有電,有啲人係特別叻啲係火嘅呢?		Н
1	答:Building service branch即係我哋有	一拃 building	I
J	services engineer '		J
K	主席:係。		K
L	答:有人嘅 background 係 electrical and me 係 background 係 fire。	chanical,有人	L
M	主席:係。		M
N	答:即係風、火、水、電、煤,佢都有人有啲比較熟啲嘅要講番我哋保養嗰邊,做水喉嗰邊,其實家	t maintenance	N
0	surveyors 嗰面做嘅,因為要 re-plumb,成棟樓? work involve,咁我哋都係一路做一路學,即係		0
P	主席:水務署。		P
Q	答:水務署出過嗰幾本嘢;同埋我哋都有定期同佢哋 屋做嘢,或者點樣 submission,即係其實有好 requ		Q
R	是做嘢,或有點像 Submission,即你共員有好 regularing 同水務署。咁就你話係咪邊個特別專,我唔敢講,我 係一路做一路學。	,-	R
S	主席:因為你如果譬如你講到去做 re-plumbing 嘅時何	侯,其實即 係差唔	S
T	多由頭再起過晒所有嗰啲嘢個囉喎?		T
U	答:唔可以嘅。		U
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A	食水含鉛超標調查委員會	2016年1月22日	A
В			В
C	主席:係,我知道唔可以,係。		C
D	答:係好困難,一個好困難,即係着住件衫响度改。		D
E	主席:係呀。		E
F	答:即係其實 re-plumbing 又 involve 九百戶咁多人 點樣入去換佢嗰橛,停水、停個泵,嗰一系列嘅工作		F
G	主席:唔係,我知,即係嗰啲我明白。即係我嘅意思即係做 re-plumbing 嘅時候,咁基本上你要同啲住戶換		G
Н	答:係呀。		Н
I	主席:咁差當然你		I
J	答:差唔多等同 new work。		J
K	主席:即係差唔多等如 new work,係囉,係囉。		K
L	答:煩過 new work 添,可能。		L
M	主席:係囉,係囉。		M
	答:因為 new work 有人响度。		
N	主席:係囉。咁個做落手落腳嗰啲都係出面啲 contra	actors 去做?	N
0	答:主要係我哋 term,maintenance contractors,	• • •	0
P	主席:係囉。		P
Q	答:咁佢亦都有佢嘅 licensed plumber 嘅。		Q
R	主席:係。但係譬如要做到換水喉,其實都係你哋 mainengineer 或者啲 surveyors 去設計個計劃,究竟咩嘢		R
S	答:料。		S
T	主席:料?		T
U	答:係呀,係呀。		U
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 \mathbf{V}

A	食水含鉛超標調查委員會 2016年1月22日	A
В		В
C	嘅」,即係呢樣你同意嘛?	C
D	答:呢個我未必同意,因為我真係唔記得有討論過。	D
E	問:係,係。	E
F	答:如果睇番佢嘅 PowerPoint,但有講外國經驗,但係完全就有提到呢 一個 point。即係响個 paper 就有呢一句 statement,但係响 PowerPoint,譬如你而家睇 124 嘅 PowerPoint,page 124,	F
G	"Literature Research on Worldwide Experience on How to Ensure Water Quality in Buildings"係冇。	G
Н	問:好。	Н
I	答:即係講嚟講去就係 UK、USA installation 點樣,星加坡點樣,係 呢個,係。	I
J	問:即係話	J
K	答:咁所以我根本唔記得當時有冇傾。	K
L	問:好。	L
M		M
N	主席:即係如果有講過,都係一個好minor嘅topics,可能仍過咁樣樣?	N
0	答:You may be right。即係如果主題係講,就一定會响 PowerPoint 出,即係出 bullet point 提,即係佢都	O
P	主席:唔係,因為我	P
Q	答:唔係好	Q
R	主席:我明你講咩嘢。因為我哋知道喺美國或者喺英國,其實睇 2000 年 頭嘅時候,2000 年頭嘅時候,就有最主要就係尤其是係 lead solder	R
S	嘅問題,英國就係最緊要。即係如果佢即係講到係英國或者講到係美國,如果係當然美國我哋知道就主要就係因為啲鉛喉嘅問題,就多 過係鉛嘅焊料嘅問題。但係英國喺嗰個時刻嗰個 moment,就似乎係	S T
_	鉛嘅焊料就個問題困擾英國就遠高於鉛,即係當然鉛喉都有。	_
U	答:我有,有呢個經驗。	U
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Transcript by DTI Corporation Asia, Limited

A	食水含鉛超標調查委員會	2016年1月22日	A
		- /J H	71
В			В
C	主席:得,唔緊要。		C
D	答:即係聽即係你而家話畀我聽,我就「啊,我覺得何	糸喎。 」	D
E	主席: 唔。我想問一問,其實二零零我哋而家知道,我 屋邨,好多時都係 2008、2009 年先至開始建造同場	里落成,咁但係我	E
F	睇番你個我睇番 Y1 裏面,其實就你講到話更換食 其實 2005 年 2 月,呢度你已經講到就開始,因為我 Y1 156 頁。即係 2005/06 年,就係已經呢度寫	競番你 156 頁, 住「(截至 2005	F
G	年 2 月)」,就已經係我相信係換咗咁多個三十九.	• •	G
H	答:Re-plumbing。		Н
I	主席:re-plumbing 就用銅喉個囉喎?		I
	答:應該係嘅。		
J	主席:係囉。即係換句話嚟講,即係其實你哋 mainten	ance 有嘅經驗遠	J
K	超過新樓 construction 嗰邊添,即係因為你 re 過全新起。	-plumbing 仲煩	K
L	答:係呀,係呀。		L
M	主席:咁我就好想知道,即係我哋而家睇落去,當時我	戈 唔知道其實佢當	M
N	時 2005 年當時候係用 compression 抑或 solde. 都有。	r,不過可能兩樣	N
0	答:睇下先。		o
P	主席:即係我嘅意思想表達,其實你哋嘅經驗係遠遠超述 and construction?	引 development	P
Q	答:我哋係有累積到一啲經驗,		Q
R	主席:係囉。		R
S	答:但係嗰個經驗係 repeat 嘅。		S
Т	主席:係囉。		Т
	答:即係座座都係咁做嘅啫。		-
U			U
v	- 32 -		V

A	食水含鉛超標調查委員會	2016年1月22日	A
В			В
C	主席:不斷咁樣樣去		C
D	答:係。我記得 Housing 就即係如果我哋千幾座樓,千幾嘅都佔成六、七百 block 嘅。	座樓用 copper	D
E	主席:係囉,係囉。		E
F	答:用 compression 都佔成五百個 block 嘅。		F
G	主席:係囉。		G
Н	答:咁其他嗰啲就係 soldering。		Н
I	主席:就係 solder,係。因為我哋而家見到好多嗰啲係-講,其實房署用銅喉,用呢個無鉛嘅焊料,其實係 2 差唔多已經		I
J	答:但係我哋個 specification 好似冇乜嘢焊料個喎。		J
K	主席:你哋個		K
L	答:我哋用 ductile iron,上一水。		L
M	主席:我知,ductile 就上啫。落嚟呢,落嚟?		M
N	答:我哋好特殊嘅情況下,用嗰個 solder 個喎。		N
0	主席:唔係,你 re-plumbing 嘅時候,我嘅意思,你 r你上去	e-plumbing,	0
P	答:我哋入屋就用嗰個 inside flats,我哋就用 joint。	compression	P
Q	主席:係囉。		Q
R	答:Common area 亦都係 compression joint。		R
S	主席:即係你講 re-plumbing 嘅時候,就唔用 solder	嘅?	S
T	答:係呀,有用 solder,除非好特殊嘅情況,即係有一 殊嘅情況。	、兩、三幾個特	T
U	主席:咁我哋頭先話你咩嘢八百幾座又有,五百幾座用,	嗰啲你喺邊度睇	U
V	- 33 - Transcript by DTI Corporation Asia, Limited		V

A	食水含鉛超標調查委員會 2016年1月22日	A
В		В
C	討論。	C
D	問:好。因為你哋當時都有 Estate Management 嘅同事即係畀過口供, 就同我哋講,就係話就住嗰啲涉事嘅屋邨,即係佢雖然建築嗰陣時係	D
E	用即係 solder joint 嘅,但係去到維修嘅時候,就會用 compression joint嘅。	E
${f F}$	答:係咩?	F
G	問:係嘞,咁即係	\mathbf{G}
Н	答:咁你點呀,鋸咗佢出嚟換 compression joint?	Н
I	主席:佢係咁講。	I
J	答:咁可能係,我即係唔敢代表佢講。	J
K		K
L	問:因為嗰陣時我哋就有啲奇怪,即係點解建築嗰陣時同埋維修會用兩種	L
M	唔同嘅物料,所以點解我帶出呢個問題,就問一問你,即係你做嘅時 候,	M
N	答:我唔知。	N
O	問:知唔知道有呢啲咁嘅討論?	O
P	答:唔知,唔知,呢樣	P
0	問:得。	_
Q	答:有cannot recall。	Q
R	問:好,唔該。剛才你就提到嗰啲 PowerPoint,我都想同你問一問。就	R
S	係如果你係睇番呢個 2001 年 1 月 15 號嘅 meeting,即係 third meeting,第三個 meeting,ACQWS 嘅第三個 meeting。	S
T	答:Meeting No.3?	T
U	問:係嘞。呢個就喺文件夾 Y1 嘅第sorry, 呢個 Y1 嘅 29 頁。Y1 嘅	U
V	- 35 - Transcript by DTI Corporation Asia Limited	V

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A	食水含鉛超標調查委員會 2016年1月22日	A
В		В
C	問: 係咪呀?	C
D	答:122 至到 126。	D
E	問:係,就係呢份?	E
TC	答:係嘞。	
F	問:當時係咪即係個委員嗰個 chairman,即係應該係方先生,	F
G	答:方鏗先生。	G
Н	問:係咪呀,即係佢就做 presentation 嘅?	Н
I	答:No,no,no,chairman 唔做 presentation,	I
J	問:唔係佢做 presentation?	J
K	答:係水務署啲同事。	K
L	問:Okay,okay,明白。水務署嘅人做 presentation 嘅,係咪呀?	L
M	答:係。	M
	問:得,唔該。好。我想問一問你,就係就住你哋嗰個諮詢委員會開會嗰 度,都討論過好多次嗰個關於嗰個世衞嗰個標準。	M
N	答:世衞標準。	N
0	問:咁啲詳細我唔會同你即係探討。我就想你睇一睇 G2,G2 就先我哋睇	0
P	下 636,可能你自己有文件嘅話,636 就係呢一個	P
Q	答:水諮會。	Q
R	問:水諮會,	R
S	答:第幾	S
Т	問:second meeting唔好意思,睇下先,636 應該係個 first meeting。	Т
	答:First meeting?	
U		U
V	- 37 - Transcript by DTI Corporation Asia Limited	V

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問:係嘞。我帶你睇一睇啲文件先,然後我先至再問一問你。636,即係first meeting 嘅第6段,就係講緊呢個 ACQWS Paper No. 1,就講緊即係世衞嗰個標準,同埋有啲 International Standards 咁樣。如果我哋睇下6.1,就話"The purpose of this paper was to introduce and compare the three most well known water quality guidelines/standard in the world. In the same way as Singapore and New Zealand, Hong Kong had adopted the World Health Organisation (WHO) Guidelines as the standard for drinking water quality. The WHO Guidelines were designed to protect human health aimed not just at developing countries. Members generally agreed that such a practice was considered effective in protecting public health and therefore should be continued."咁呢度亦都有講番。

跟住 6.2 就話有"94 health related chemical parameters of the HO guideline and about 30 other aesthetic parameters had been included"。

我哋呢度睇下嗰個 Paper No. 1,就喺文件夾嘅 929。929,就如果黃生你有自己嘅 Paper No. 1,就第 2 段嗰度,都係有介紹到嗰個 WHO 個 Guidelines for Drinking-water嘅。

答:係。

問:咁呢度都係講番佢有啲 guidelines value 等等,點樣制定出嚟,有啲咩嘢國家都採用佢嘅等等。咁就畀你睇多一個文件,就係meeting No.2, second meeting,喺文件夾嘅 639頁。Second meeting就有討論過呢一個叫做 Paper No.4 嘅,睇到嘛?喺 641,即係喺呢一個 minute 嘅 5.3 段,黃生。

答:係,係。

問:就講緊"ACQWS Paper No. 4 - Publication of Water Quality Data",咁入面就有講一啲--咪住先,5.3.1,"this paper was prepared to present a detailed proposal on the format and frequency of publication of water quality data on the Internet and in the form of a pamphlet."咁跟住都 係講下木湖嗰個抽水站有啲乜嘢資訊等等。

咁如果我哋睇下呢個 Paper No. 4,953 嗰度,喺 953 頁。953

我想問一問,就係因為喺啲文件度,我哋就睇過好多次,有關提及到嗰個世衞標準,我想問下,就係即係開過咁多次會,你本人有有話去參考過嗰個世衞標準,其實嗰個所謂 guidelines 嗰個內容係啲乜嘢?

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答:我想講講,因為嗰個會好多專家响度,我係去學嘢嘅啫,即係我只係用家嘅角度提供意見。所以佢每一次嚟嗰啲 paper,我就睇下有啲乜嘢可以學,其實次次佢就個 conclusion 就話我哋 comply with世衞,咁所以我都好安心,就係每一次。如果佢哋突然間有一次話唔係 not in compliance,我哋就先即係要返去 alert 啲同事,咁就主要就係咁樣。咁可能嗰啲專家就互相有 discussion 同埋有debate,...

問:明白。

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答:...關於點解呢度咁,點解呢度咁,即係嗰個但係我唔明嘅,我好多時都唔係好明,因為 as a layman,我有辦法明得到佢哋。

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A	食水含鉛超標調查委員會	2016年1月22日	A
В			В
C	問:明白。至於呢個優質食水計劃,就即係佢都有制訂一 合,你先至可以即係攞到嗰張 cert噪嘛?	·啲標準,你要符	C
D	答:係。		D
E	問:咁嗰啲標準嘅制訂呢個,就係你哋係都係聽番水務署	唱邊嘅制訂?	E
F	答: 係嗰班水諮會嗰啲專家大家討論,十幾、廿個專家, 環保,又有嗰班專家去傾。	又有學者,又有	F
G H	問:明白。即係至於制訂嗰個標準,點樣先至可以話符合 去攞嗰張即係 cert 嘅,即係制訂呢啲咁樣嘅條件, 冇參與?		G H
I J	答:我記得就有乜嘢參與,即係主要係因為你呢個係水務署去執行,咁佢咁多專家傾過,認為呢個比較中庸、我哋就大家 agree 咁樣。		I J
K	問:明白。		K
L	答:但係反為跟進,我哋就要做,即係又要做 test,又要一系列嘅嘢都好多嘢做當時。	是洗水缸咁樣盛 ,	L
M			M
N	許偉強先生:好,我有其他問題。		N
0	主席:得,或者我哋早休先,休息二十分鐘,然之後再繼 律師都會有問題嘅。唔該。	續,我諗第二啲	O
P			P
Q	上午 11 時 21 分聆訊押後		Q
R	上午 11 時 47 分恢復聆訊		R
S	出席人士如前。		S
T			T
U	香港房屋委員會第十六證人:黃比(水質事務諮詢委員會至 2008 年代表房屋署)宣誓繼續作供	7委員(於 2000	U
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A	食水含鉛超標調查委員會 2016年1月22日	A
В		В
C	由扠咗佢,即係可能係嗰類。	C
D	問:Okay。咁正話提到如果個 re-plumbing work,除咗入屋嗰度係難啲有 access 嘅話,其實如果全棟樓個 re-plumbing work,其實	D
E	係將啲水喉係換過晒? 	E
F	答:係呀。	F
G	問:咁喺 re-plumbing 之後,其實嗰啲水喉要 withstand 嗰啲嘅水壓, 係同最先嗰陣時一樣嘅,係咪?應該係一樣,係咪?	G
Н	答:未必一定,未必一定。	Н
I	問:係。	I
J	答:因為好多時我哋 re-plumbing 好可能連即係嗰個泵房嗰啲又會 improvement 做,係更改。同埋如果我哋有遇到有啲 complaint 關於水壓,尤其是係頂層,成日都話拍唔著個熱水爐,嗰類咁嘅情況,	J
K	我哋好可能我哋嗰啲同事同水務局傾過之後,可能更改,即係有啲 improvement 做嘅嘅,咁所以所有水壓係咪都係同舊時一樣,就唔	K
L	敢答你。	L
M	問:係。即係如果根據因為有啲個別情況,水壓唔夠嘅話,就會喺個re-plumbing,就會喺個re-plumbing裏面就加番啲水壓畀佢, 係咪?	M
N		N
O	答:直頭响個泵房裏面即係改,即係呢度又牽涉我哋其他啲工程師,會幫 手睇。	o
P		P
Q	鍾先生:Okay,有其他 question。	Q
R	主席:唔該。	R
S	<u>殷先生補問</u>	S
T	問:係,黃生,我其實想同你總結下你嘅證供,因為其實你知道嗰個 ACQWS	T
U	paper 7 嗰度,頭先都許大律師同你睇過,咁就我哋知道有呢個第 8、 第 9 段,尤其是係第 9 段,喺呢個 ACQWS paper 7,喺 Bundle G2,	U
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問: 咁八幾年嘅時候,佢哋就引入咗呢個法例,話唔准用有鉛嘅焊料,但 係後來點知十幾年,ban 咗唔准用,八幾年、九零年唔准用,到九零 年代尾,都發現原來都仲有水喉佬用呢啲含鉛焊料,呢樣嘢你都唔知 喫喇。咁所以換句話講,即係話即係雖然法例寫明話要用無鉛嘅焊 料,合同亦都--個 spec 話唔准用無鉛焊料,但係本地香港啲水喉佬 都會話佢唔知道呢件事,或者佢明知故犯用啲唔合規格嘅焊料,呢一 個風險你個人係唔為意?

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A	食水含鉛超標調查委員會	2016年1月22日	A
В			В
C	答:响我開會嗰陣時候,完全有 catch 到我 attention 當然今時今日我嘅認知就可能多咗,知道總之 by		C
D	都可能有出事,但係當時我嘅認知就係响工專學到,「 水喉,你哋即係唔好用 lead 嚟做水喉,同埋嗰啲」	啊,人哋用 lead	D
E	用lead喎。」嗰陣時就係咁嘅認知。	Treating HD-EX	E
F			F
	殷先生:我有嘢問。		
G	主席:唔該晒,黃先生,畀完證供,唔該晒,你可以離開	,唔該晒。	G
Н	殷先生:主席,我哋下一位證人係陳少德先生。		Н
I	主席:好呀。		I
J			J
K	香港房屋委員會第十七證人:陳少德(水質事務諮詢委員 年起代表房屋署)以本地話宣誓作供	會委員(於 2010	K
L	殷先生主問		L
M	問:陳生,你應呢個調查委員會嘅要求係作咗一個書面嘅 家就幫你讀一讀出嚟。	證人口供,我而	M
N			N
0	WITNESS STATEMENT OF CHAN SIU TA	СК	o
P			P
Q	I, CHAN Siu Tack, Assistant Director (Estat sub-division 2), Housing Department ("HD"	-	Q
R	follows:-		R
S	1. I make this statement to address the quest in the letter from Messrs. Lo & Lo dated 2015.		S
T	2. I have read the statement of Mr Wong Bay	provided to	T
U	the COI. Based on my involvement in and the ACQWS meetings I generally agree with	knowledge of	U
V	- 47 -		V

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of his statement and do not intend to repeat matters which he has addressed unless I have something to add or clarify. Before answering the questions however there are a few further remarks I wish to make.

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3. When I first joined the ACQWS in 2010, I was Assistant Director (Estatement Management sub-division 2). During my time at the ACQWS, the focus of the discussions had changed to conservation and management of water resources. Subsequently, ACQWS was renamed as the Advisory Committee on Water Resources and Quality of Water Supplies. The issue of lead was never raised as a topic in these discussions.

I

J

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L

As the current representative of the Housing Department in the ACQWS, please make all necessary enquiry and review the records and documents of the ACQWS and/or the Housing Department (the "Records and Documents") and confirm whether Mr Wong, as a member of the ACQWS, has played any part in the preparation of Paper No. 7 and, if so, describe his role and his work and the work of any other members or persons in the preparation of Paper No. 7.

M

N

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4. Based on my enquires, the records and documents available to me do not show that Mr Wong Bay was involved in the preparation of Paper No. 7. Mr Wong Bay also addresses this in his statement.

P

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If Mr Wong has not played any part in the preparation of Paper. No 7, confirm and identify, with reference to your enquiry and the Records and Documents, the author(s) of Paper No. 7 and the member(s) and person(s) who assisted in preparing and writing Paper No. 7, in particular paragraphs 8 and 9 thereof. Please also identify the member(s) and person(s) who undertook the "literature and research of publications and through the internet" as referred to in paragraph 9 of Paper No. 7.

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5. Based on my enquiries, the records and documents I have reviewed do not show who assisted in preparing and

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writing Paper No. 7, and who undertook the research as referred to in paragraph 9 of Paper No. 7. I agree with Mr Wong Bay that the Water Supplies Department ("WSD") take the lead with regard to documents, circulation of them etc.

Paper No. 7 was subsequently considered in an ACQWS meeting which took place on 15 January 2001. A copy of the minutes of that meeting is enclosed (Enclosure 4). Mr Wong was present in that meeting as a representative of the Housing Department. Please confirm (with reference to your enquiry and the Records and Documents) whether Paper No. 7 was circulated to Mr Wong, the Housing Department and/or the Housing Authority prior to that meeting and, if so, identify the relevant recipient(s) in the Housing Department and the Housing Authority of that Paper.

6. Based on my enquiries, records and documents I do not know whether Paper No. 7 was circulated to Mr Wong Bay or the Housing Department / Authority. Mr Wong Bay addresses this in his statement. During my time involved with the ACQWS meetings, documents such as agendas and meeting minutes were prepared and circulated by the WSD. Papers were no longer prepared, but the WSD would give power point presentations and sometimes circulate handouts at ACQWS meetings.

As regards the ACQWS meeting on 15 January 2001, please confirm (with reference to your enquiry and the Records and Documents) whether matters stated in paragraphs 8 and 9 of Paper No. 7 were ever discussed and, if so, give an account of the relevant discussions.

7. From my enquiries, the records and documents there is no record of these matters being discussed within the HD.

As a representative of the Housing Department and a senior officer thereof, explain and describe your role and objective in attending and participating in the work and

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meetings of the ACQWS. Please confirm whether, during the course of your membership (2010 to now), the Housing Department took any action or followed up on any areas of discussion or decision by the ACQWS, and whether there was a requirement in the Housing Department for any of the said actions to be taken. Please describe the requirement and/or the follow up work and actions (if any).

- 8. As the Housing Department's representative my role was essentially an advisory role. During my involvement with the ACQWS, there has not been anything that required follow up action by the HD.
- 9. There is no requirement in the HD for any follow up actions to be taken, and I agree with Mr Wong Bay's comments to the effect that if any follow up action is required that would be considered on a case by case basis.

In relation to the work, meetings and activities of the ACQWS, please confirm and explain whether and how you and your predecessors would report and disseminate the relevant materials, (including the ACQWS Papers, minutes of meetings, documents, memoranda and notes taken) to the Housing Department and/or Housing Authority and bring to their notice matters relevant to the responsibilities of such departments. In particular, and with reference to your enquiry and the Records and Documents, please confirm whether (a) the matters in paragraphs 8 and 9 of Paper No. 7 and (b) WHO Guidelines were been reported and made known to the Housing Department and/or the Housing Authority at the material times.

- 10. The decision as to whether, and how to report and disseminate relevant materials is based on individual judgment.
- 11. As per paragraph 8 above, there has not been anything that required follow up action by the HD. was, I would have adopted the same approach as Mr Wong

A	食水含鉛超標調查委員會	2016年1月22日	A
В			В
С	Bay, namely, I would bring this up t person at the appropriate forum		C
D	overburden them by providing them a circulated at the ACQWS, but to prov	vide them with the	D
E	key issues and information. Mon half-yearly meetings between WSD as	nd HD. WSD would	E
F	brief HD concerning their initiation support through these meetings.	ves and seek HD's	F
G	12. Based on my enquiries, the record available I am not aware of:-	ds and documents	G
Н	(a) Paragraphs 8 and 9 of Paper	No. 7; and	Н
I	(b) the WHO Guidelines being c		Ι
J	Housing Department. I was r ACQWS until 2010 but for t	he period of my	J
K	involvement I agree that most WHO Guidelines refer to WSD's compliance with WHO Guidelin	s confirmation of	K
L	compilative with who daraciin	C 5 •	L
M	問:陳生,你頭先聽我讀完你嘅書面證供,有有嘢	需要更改或者補充?	M
N	答:冇。		N
0	問:你願意採納佢作為喺研訊入面你嘅證供?		O
P	答:Okay,願意。		P
Q			Q
R	殷先生:我有其他問題。		R
S	主席:唔該。		S
T	許偉強先生盤問		T
U	問:陳先生,想問一問你幾時加入房署工作?		U
V	- 51 - Transcript by DTI Corporation Asia, Limited		V

A	食水含鉛超標調查委員會	2016年1月22日	A
В			В
C	答:1984 年。		c
D	問:1984年。我想問一問就係大概喺2 道就有啲討論,就係關於當時會唔會 擇用銅喉嗰方面,你記唔記得你當時	即係讓呢個總承建商有多一個選	D
E F	答:我嘅背景,我係結構工程師嚟嘅,咁 因為我都係主要負責結構,咁所以 plumbing 嗰啲 design。		E F
G	問:明白。即係就住嗰方面嘅討論,你就	· 哈會參與?	G
Н	答:有 involve 嘅。		Н
I	問:你幾時開始係正式加入 Estate Ma	nagement 嗰邊?	I
J	答:我 2009 年尾就係 post 去 Estate	Management Division °	J
K	問:2009年。你由2009年開始做Esta 觸過啲關於水喉方面,即係要做 ma		K
L	嘅工作?		L
M	答:我就接觸到就係啲同事報告番畀我哋 要做嘅,即係	½聽,仲有啲 re-plumbing 嘅嘢	M
N	問:Re-plumbing?		N
o	答:都差唔多係尾聲,因為基本上就 2012年,其實大部分都完晒,咁仲	有啲有一、兩個邨可能有啲我	0
P	哋叫做 partial replacement, 咗嗰部分,都同以前嗰陣時候換嗰啲		P
Q	問:所以你接手做 Estate Managemer 嗰邊嘅工作就接近尾聲,係咪呀?	it 嗰陣時,關於 re-plumbing	Q
R	答:係嘞。		R
S	問:咁至於例如新工程,即係你接咗手之	後,即係新嘅工程,我哋知道就	S
T	係我哋聽咗一啲 Estate Manage 就 construction 嘅時候就用 s	ment 嘅同事講,就新工程嚟講,	T
U	Management 嘅時候就用 compres 唔知?	-	U
V	- 52 - Transcript by DTI Corporation Asia Limited		V

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 \mathbf{V}

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 \mathbf{V}

A	食水含鉛超標調查委員會 2016年1月22日	A
В		В
C	答:我哋有人喺度。	C
D	主席:有人喺度嘅?	D
E	答:係。	E
T.	主席:就該	
F	答:我哋個同事應該係我諗係 senior 嚟。	F
G	主席:C&D 嘅 CBSE 就係做 chair?	G
Н	答:徐。	Н
I	主席:即係代表你哋?	I
J	答:代表部門。	J
K	主席:代表你哋 Housing Department 走去坐?	K
T	答:係,係。	
L	主席:Water Department,Water Supplies 就係咩嘢人嚟坐?	L
M	答:我就唔記得咗,可能正常應該對應番 chief 嘅。	M
N	主席: Chief engineer 咁上下,佢哋嗰啲,係咪?	N
0	答:係。	o
P	主席:咁就係講 project-based 嘅,即係唔講大題目?因為	P
Q	答:佢有啲 project-based,有啲大就大題目就唔係好多,通常如果 講大題目,多數都係 WSD 有啲 new initiative,咁想房署支持。	Q
R	咁因為通常嚟講,佢有咩嘢 new initiative,最容易搵就搵我哋,我哋就做 pilot 嘅。	R
S	主席:係,係,咁 okay。即係水務署同你哋係有一個好 regular,有個platform 係可以大家溝通嘅?	S
T	答:係。	T
U	主席:得,唔該。	U
V	- 57 -	v

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Transcript by DTI Corporation Asia, Limited

 \mathbf{V}

A	食水含鉛超標調查委員會	2016年1月22日	A
В			В
C	石先生: 唔係,我同殷大律師講過,如果 CIC 嗰位證人嘅 頭,馮女士到,我哋就照繼續嗰位證人,就唔會加插		C
D	為馮女士等得嘅。		D
E	殷先生:係,主席,我哋係要求委員會畀一個 indulgenc	e 我哋。因為	E
F	主席:得,得,唔係,我有咁咁		F
G G	殷先生:我哋係唔緊要。如果佢行先,就逐個 understa 證人畀完佢個證供,我哋至上。	nding 就係嗰個	r G
Н	主席:哦,得,得。		Н
	石先生:即係我都 indulgence,都唔可以再要求番即刻	可以入嚟。	
I	主席:得,好,咁我哋聽咗 CIC 個證人先,好唔好呀?		Ι
J	石先生:好。		J
K	殷先生:好。		K
L	主席:咁我哋今個禮拜聆訊就係咁多,結束,唔該晒。		L
M			M
N	2016年1月22日		N
0	下午 12 時 21 分聆訊押後		0
P			P
Q			Q
R			R
S			S
T			T
U			U
V	- 59 -		\mathbf{v}

A	Annex: Realtime English Transcription based on floor / Simultaneous Interpretation	A
В	Commission of Inquiry into Excess Lead Found in Drinking Water Day 44	В
C	Friday, 22 January 2016 (10.03 am)	C
D	(Transcript of simultaneous interpretation	D
E	except where otherwise specified)	E
	MR WONG BAY (on former affirmation)	L
F	CHAIRMAN: (In English) Mr Khaw?	F
\mathbf{G}	Cross-examination by MR KHAW	G
	MR KHAW: Mr Wong, good morning.	
Н	On behalf of the Commission, I would like to take up	Н
I	with you some questions.	I
J	If you may refer to paragraph 7 of your statement,	J
J	bundle Y1, page 38, paragraph 7, here there is a bit of	J
K	background there. When you first joined the ACQWS, you	K
L	talked about your role there, and you said that you were	L
	part of the management branch. You were at that time	
M	acting assistant director.	M
N	In paragraph 7, towards the end of it, you said you	N
0	were co-chairman of the liaison group on construction	0
O	quality, or LGCQ.	0
P	Yesterday, when Mr Leung testified, I discussed with	P
Q	him the work undertaken by the LGCQ. Let me put	Q
	a question to you about the background. For the LGCQ,	
R	you have explained when it was established and the terms	R
S	of reference of the LGCQ; basically, construction and	S
TD.	there would be communication between the development and	_
T		Т
U		U
v	- 1 -	v

Transcript by DTI Corporation Asia, Limited

A	Annex: Realtime English Transcription based on floor / Simultaneous Interpretation	A
В	Commission of Inquiry into Excess Lead Found in Drinking Water Day 4-	4 B
C	construction branch and the management branch, and there	C
D	would be a follow-up on the maintenance work.	n
Б	A. The two branches, we had a lot of meetings but we didn't	D
E	have a lot of opportunities to talk about the management	E
F	of the housing estates, after delivery. This is	F
•	a platform for communication. Also, there were a lot of	r
G	defects. After occupation, we received complaints about	G
Н	water leakage. If you look at the minutes, it's all	Н
	documented there. We took the opportunity of this forum	11
I	to talk about the review.	I
J	Both sides may need training to be given to the	J
	staff. It's basically a forum for that.	-
K	Q. For the defects after occupation and the follow-up work	K
L	by the LGCQ I won't go into that basically, I want	L
M	to put this to you. With regard to the LGCQ, Mr Wong,	M
141	do you remember back in 1999, when you first joined the	M
N	liaison group, you must have had some discussions on the	\mathbf{N}
0	adoption of copper pipes as an alternative choice for	0
Ü	the contractors. Do you remember that?	U
P	A. By way of historical background, we do have some	P
Q	re-plumbing programmes at the maintenance division,	Q
	which started in 1999. GI pipes ceased to be used, and	¥
R	in the maintenance division we did consider a number of	R
S	materials. One of them was copper pipes. We did have	S
	a bit of experience there.	
Т		T
U		U
v	- 2 - Transcript by DTI Corporation Asia Limited	V

A	Annex: Realtime English Transcription based on floor / Simultaneous Interpretation	A
В	Commission of Inquiry into Excess Lead Found in Drinking Water Day 44	В
C	Q. Let me refer you to the minutes of the LGCQ, just to jog	C
D	your memory. B15.4. A. Which meeting?	D
E	Q. I can show you the tab. 15 September 1999, liaison	E
F	group meeting No. 7. A. Yes. I've got it here, different numbering though.	F
\mathbf{G}	Q. You might just wish to refer to that.	\mathbf{G}
Н	That is the 7th meeting, 15 September 1999. Development and construction branch was represented	Н
I	there, the management branch, your goodself, Mr B Wong,	I
J	<pre>was at the meeting, in your capacity as acting assistant director/management</pre>	J
K	CHAIRMAN: Mr Khaw, can you hang on a second, please.	K
L	It's on the screen.	L
M	MR KHAW: I beg your pardon. I may have got it wrong. B15.4.	M
N	CHAIRMAN: What page?	N
0	MR KHAW: 39997. CHAIRMAN: Please.	o
P	MR KHAW: Mr Wong, page 39997, you joined that particular	P
Q	meeting. If you turn over the page to the next page, 4.3,	Q
R	"(In English) Report on the use of plumbing materials	R
S	for fresh water supply"; can you see that?	S
T	A. Yes.	Т
U		U

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Transcript by DTI Corporation Asia, Limited

A	Annex: Realtime English Transcription based on floor / Simultaneous Interpretation	A
В	Commission of Inquiry into Excess Lead Found in Drinking Water Day 44	В
C	Q. At that time, discussion took place about the	C
D	possibility of adopting copper pipes and there were discussions there.	D
E	In paragraph 4.3 there is an interim report:	E
L	"(In English) An interim report was tabled. Final	E
F	report was targeted for issue during the first quarter	F
G	of 2000."	G
	If you look at the tab, there is an annex with the	
Н	report there. The report is on page 40002. This report	Н
I	was prepared for the liaison group.	I
	Were you involved in the drafting of this report,	
J	Mr Wong?	J
K	A. I remember there was a technical development team	K
L	responsible for the drafting and the compilation of this	L
	report.	_
M	Q. Yes.	M
N	A. The report was presented to the maintenance committee	N
	for endorsement.	
О	Q. Yes.	O
P	A. I read the report.	P
0	Q. My question is you were not involved in the drafting of	0
Q	the report?	Q
R	A. I wasn't there, no. I wasn't there drafting the report.	R
S	But I know about the report.	S
2	Q. All right. With regard to this report, let me follow up	В
T		T
U		U
\mathbf{V}	- 4 -	V

A	Annex: Realtime English Transcription based on floor / Simultaneous Interpretation	A
В	Commission of Inquiry into Excess Lead Found in Drinking Water Day 44	В
C	with some more questions. The idea of allowing the main	C
D	contractor to use copper pipes and by comparison with lined GI pipes, at the liaison group, was it a major	D
E	topic for discussion? Was it a big issue for	E
L	discussion?	£
F	A. It is a subject of moderate importance. There are so	F
G	many issues to discuss. We are not talking about any	G
***	particular contractor. We did have some experience	
Н	there, and we just spell out our experience there.	Н
I	In 1999, I think copper pipes were not used.	I
J	Q. If you refer to this report, one of the items for	J
J	discussion is the advantages and disadvantages of copper	J
K	pipes and lined GI pipes. I put it to Mr Leung	K
L	yesterday and I'll put it to you again: when discussion	L
M	took place about the merits and demerits of the pipes,	3.6
M	was there any technical research by the technical	M
N	research team?	N
0	A. In the maintenance division, we have some experience.	0
O	Q. You would share the experience?	0
P	A. Yes.	P
Q	Q. Let's talk about copper pipes first, the advantages and	Q
	disadvantages. There is a column, number one:	· ·
R	"(In English) Withstand pressure up to 25 bar when	R
S	used with soldering joint."	S
	Can you see that?	
T		Т
U		U
${f v}$	- 5 - Transcript by DTI Corporation Asia Limited	v

A	Annex: Realtime English Transcription based on floor / Simultaneous Interpretation		
В	Commission of Inquiry into Excess Lead Found in Drinking Water Day 44	В	
C	"(In English) Disadvantages: Withstand pressure up to 10 bar only when used with compression fitting."	C	
D	It seems that with copper pipes, there are two	D	
E	different materials soldering or compression	E	
	jointing, the two types of jointing, was there any		
F	research conducted on those?	F	
G	A. We didn't go into that in detail. No, we didn't conduct	G	
TT	any research. The Water Supplies Department did produce	**	
Н	a report. Yesterday, I distributed the exhibit on this	Н	
I	just yesterday. Page 221:	I	
J	"(In English) General information on the use of	J	
· ·	different types of pipe materials as inside service in	J	
K	buildings".	K	
L	That's page 221 in item 6, bundle Y1.	L	
M	Q. So you mean that at the time the discussion had made	3.5	
M	reference	M	
N	A. Because it is an authority. I'm not sure if that is the	N	
0	most updated version. You can see this copy. It has	0	
	a lot of material there.	· ·	
P	Q. Let me summarise. This was a document issued on	P	
Q	December 1994, talking about different pipe materials.	Q	
	It was issued by the Water Authority. So, in your		
R	liaison group, when you talked about the advantages and	R	
S	disadvantages of copper tubes, one reference	\mathbf{S}	
Т	A. Well, not the liaison group. It was when we drafted	T	
1		Т	
U		U	
${f v}$	- 6 - Transcript by DTI Corporation Asia Limited	v	

A	Annex: Realtime English Transcription based on floor / Simultaneous Interpretation	A
В	Commission of Inquiry into Excess Lead Found in Drinking Water Day 44	В
C	the report, we had made reference to this.	C
_	Q. So at that time, regarding the discussion on the use of	
D	copper pipes, your liaison group had expectations that	D
E	it would be used widespread, and some components or	E
.	materials previously might not be used so much but would	_
F	be used widespread. There was that possibility?	F
\mathbf{G}	A. Well, the liaison group did not consider that. Because	G
TT	at the time they were using different material. Lined	
Н	GI pipe was used very widespread, and maintenance would	Н
I	use all kinds of material, GI pipes and such, and we had	I
J	some experience of copper tubes. It's just that we had	J
3	exchanged some experience.	J
K	We did not expect that period because we did not	K
L	know what materials new buildings would use.	L
	Q. So you said you were sharing experience, and you were in	
M	repair and maintenance department, you had some	M
N	experience with sharing your experience on using copper	N
	tubes. So, in maintenance, you had some experience with	
О	copper tubes, and your experience was in compression	О
P	joints, or was it soldered joints?	P
0	A. Well, our experience was accumulated over time. We	
Q	referred to this little pamphlet issued by the Water	Q
R	Authority. The Water Authority also had a guide to	R
S	re-plumbing fresh water supply, and we were in contact	S
D	with the Water Authority and we worked from their	3
T		T
U		U
* 7		
${f V}$	- 7 -	${f V}$

A	Annex: Realtime English Transcription based on floor / Simultaneous Interpretation	A
В	Commission of Inquiry into Excess Lead Found in Drinking Water Day 44	В
C	material.	C
D	We are not waterworks engineers. We are just repair	D
D	and maintenance. Bundle Y1, page 194, in 1995, they had	D
E	issued a guideline regarding what to submit during	E
F	re-plumbing and so on. So we referred to this one.	F
r	Q. Okay. I understand. So my previous question in this	Г
G	liaison group, in November 1999, prior to that, did you	\mathbf{G}
Н	have personal hands-on experience dealing with copper	Н
n	tube engineering, maintenance and such? Did you have	п
I	hands-on experience?	I
J	A. Not a lot. My recollection, I wasn't in charge of that.	J
ū	Q. So, regarding your sharing of experience, you might have	J
K	read material from the Water Authority?	K
L	A. Yes. These are our treasures. We learn on the job.	L
M	Q. So I would like to ask you, personally, when there was	M
171	a discussion regarding the use of copper tubes, copper	141
N	pipes, so from the maintenance management perspective,	N
0	if there was widespread use of copper pipes, then during	o
Ü	maintenance you would know what materials to use, what	O
P	the work flow would be and what difficulties you might	P
Q	encounter. So you should be aware of that, if you were	Q
	to use copper tubes widespread.	¥
R	A. Well, our focus is we want to focus on a human approach.	R
S	We want works to be quick and convenient. Why did we	S
	choose copper tube pipes? Within our maintenance	
T		T
U		U
V	- 8 - Transcript by DTI Corporation Asia Limited	V

A	Annex	: Realtime English Transcription based on floor / Simultaneous Interpretation	A
В		s Lead Found in Drinking Water	Day 44 B
C		department, there was ease of maintenance, and it has	$^{ m c}$
D		be readily available, the repairs had to be quick ar convenient. So, under this understanding, we had th	n
E		discussion.	E
L	Q.	We talked about different types of joints. There ar	
F		solder joints, compression joints. Do you recall in	the
\mathbf{G}		liaison group, was there a discussion on the use of	G
		specific material?	
Н	Α.	No. We didn't get that detailed.	Н
I	Q.	So, in the discussion, within the liaison group	I
J		discussion, there are some documents I would like to	${f J}$
9		refer you to. Page 40012. That is the 9th meeting,	
K		18 January 2001.	K
L		In paragraph 2.4, it talks about they were	L
3.5		waiting for the final report, and in the "Action"	
M		column, the final report should be CBSE and CA/D&S,	М
N		development and standards.	N
0		So I would like to ask you, this final report, is	
Ü		we well, let me first ask you: was this final rep	oort
P		completed?	P
Q	A.	I cannot recall.	Q
	Q.	Because I see in your following discussion, at	· ·
R		page 40023, paragraph 2.2, it talks about:	R
\mathbf{S}		"(In English) Action in hand; [the chief building	\mathbf{s}
		services engineer] would pass the draft final report	
Т			Т
U			\mathbf{U}
v	Transc	- 9 -	v

A	Annex: Realtime English Transcription based on floor / Simultaneous Interpretation		
В	Commission of Inquiry into Excess Lead Found in Drinking Water		Day 44 B
C	SMS/TD for comment"	aragraph 2.2.1, it refers	c
D	a meeting 12 in August 2000		D
E	A. Technical development.		E
	Q. Technical development. That	should be about	
F	maintenance, the maintenance	e surveyor.	F
G	A. Yes.		G
**	Q. The senior maintenance surv	eyor.	
Н	A. Yes.		Н
I	Q. "(In English) had given	reply on the report	for I
J	CBSE/2's consideration and :	follow-up."	J
·	I didn't see the report	and I want to ask you	J
K	whether the report was comp.	Leted.	K
L	A. I don't recall.		L
	Q. Then the next follow-up is	at page 40044. It's your	
M	liaison group. You had atte	ended that, and I want to	M
N	clarify with you. Page 4004	4, 2.2:	N
0	"(In English) [The AD fo	r development] reported t	
О	feedback was received from S	SMS/TD. He informed that	О
P	fittings of adequate pressu	re rating for copper pipe	P P
Q	was not available and the su	appliers were being asked	to ${f Q}$
*	work on this.		Q
R	SMS informed that co	pper pipes were not used	in R
S	MB for risers which required	d high pressure rating."	S
	"MB", does that refer to	multi-storey building?	
Т			Т
U			\mathbf{U}

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Transcript by DTI Corporation Asia, Limited

A	Annex: Realtime English Transcription based on floor / Simultaneous Interpretation	A
В	Commission of Inquiry into Excess Lead Found in Drinking Water Day 44	В
C	What is "MB"?	C
D	A. Management branch.	D
	Q. "(In English) AD/D would liaise the matter with SMS/TD."	D
E	Then we have some comments later on. Page 40055.	E
F	That is the 15th meeting, on 5 January 2001. Paragraph 2.2:	F
G	"(In English) Report on plumbing materials for fresh	G
Ü	water supply", and we see:	J
Н	"(In English) [The chief architect] advised no	Н
I	formal feedback was received"	I
	Then we see some handwriting:	
J	"(In English) on the failure of uPVC lined	J
K	GI pipes. It appeared that MB concerns were on	K
L	re-plumbing work where these materials had been used	L
	rather than on failure of existing installation."	
M	Okay, so do you recall who added these comments?	M
N	A. It seems to me the CA/D&S, from the handwriting.	N
0	Q. Then 2.2.2:	
0	"(In English) AD/D reported that feedback was	0
P	received from SM/Audit regarding improper use of GI pipe	P
Q	fittings. Since problems were identified, the	Q
¥	contractors were required to rectify the problems	Q
R	concerned.	R
S	2.2.3. Since fittings of adequate pressure rating	S
TD.	for copper pipes were not commonly available, SMS/TD	_
T		Т
U		U
V	- 11 -	\mathbf{v}

A	Annex: Realtime English Transcription based on floor / Simultaneous Interpretation		
В	Commission of Inquiry into Excess Lead Found in Drinking Water	Day 44	В
C	advised that ductile iron could be us	ed for risers which	C
D	required high pressure rating. AD/D concluded the use of GI pipes	s has not been	D
E	ruled out however the use of copper p	pipes may be	E
L	considered in the future."		12
F	So it seems there isn't a conclus	ion. They are	F
G	still talking about they are still	weighing the pros	G
	and cons of the two materials?		
Н	A. Yes.		Н
I	Q. At that point, they were still looking	ng at further	I
J	studies to reach a final decision?		J
J	A. Yes. But the construction branch		J
K	Q. Which branch?		K
L	A. Construction branch, they were build	ing new buildings.	L
	Q. So that was a discussion around 2000	. When did the	
M	construction branch decide to use cop	per pipes?	M
N	A. Most likely, they would do some test:	ing. I don't recall	N
0	exactly. It was around that time. It	t would be after	
0	2002, even if they did some trials.		0
P	Q. So I would like to ask we were ta	lking about choosing	P
Q	different types, different materials,	the pros and cons	Q
	and not reaching a conclusion. So in	2000 to 2002,	V
R	there were some revised specification	s. I will follow	R
S	up, deal with that later.		S
an.	During that period, copper tubes	was decided upon,	
T			Т
U			U
• •			_

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Transcript by DTI Corporation Asia, Limited

A	Annex: Realtime English Transcription based on floor / Simultaneous Interpretation	A
В	Commission of Inquiry into Excess Lead Found in Drinking Water Day 44	В
C	was there any department that had to think using copper	C
D	tubes might have some risks or might have some adverse health impact on residents? So at the time the Housing	D
	•	
E	Authority or Housing Department, was there any	E
F	department that looked into this?	F
	A. No. You talked about the risk consideration. I don't	
G	remember having any discussion on this.	G
Н	Q. Do you remember then, after copper pipes had been	Н
	decided on, what brand of materials would be used, what	
I	brands would be up to standard? Did your department or	I
J	other departments get in touch with the suppliers about	J
	this?	0
K	A. At the liaison group on construction quality, we shared	K
L	experience, and at the beginning it was the project	L
	division that would consider all this, like the	
M	designers. We would not go into minute detail about	M
N	this.	N
	Q. So you are saying that after deciding on copper pipes,	
0	it would then be the design team that would consider the	0
P	materials?	P
Q	A. We had regard to the WSD approved list.	0
Q	CHAIRMAN: Say again?	Q
R	A. Approved list. We would have regard to the WSD's	R
S	approved list. It would be safe to use these materials.	S
	They would submit materials to the WSD for approval,	-
T		T
U		U
\mathbf{V}	- 13 -	V

A	Annex: Realtime English Transcription based on floor / Simultaneous Interpretation	A
В	Commission of Inquiry into Excess Lead Found in Drinking Water Day 44	В
C	and the guidelines would be applied, so we would not	C
D	discuss anything of this kind. MR KHAW: As far as you were concerned, there were	D
E	discussions on whether to use copper pipes. As far as	E
F	you know, as far as your understanding of the market,	IC.
r	after copper pipes have been adopted, the market should	F
G	be well prepared for that. With this change, the market	G
н	should be able to cater for that.	Н
11	A. I didn't exactly have this kind of experience.	п
I	Maintenance didn't cover a massive amount of materials.	I
J	We deal with one or two blocks at any one time. But the	J
U	new building construction division would get in touch	J
K	with the suppliers and the associations, and they may	K
L	conduct some research.	L
M	Q. Before 2000, for the private development projects, was	М
171	it commonplace to use copper pipes?	M
N	A. I can't be certain exactly, but from my colleagues, they	N
0	said that copper pipes were used pretty extensively outside.	O
P	Q. The year 2002, the CBSE division issued some revised	P
•		1
Q	specifications about the use of copper pipes and all the	Q
R	specifications that have to be measured up to, and there	R
	was a set of revised specifications.	
S	Let me put this to you. On the management side, did	S
T	you have any chance to be exposed to the specifications	Т
U		\mathbf{U}
v	- 14 -	v

A	Annex: Realtime English Transcription based on floor / Simultaneous Interpretation	A
В	Commission of Inquiry into Excess Lead Found in Drinking Water Day 44	В
C	about the materials?	C
	A. The DCMBI we would have had some discussion but by	
D	the time we knew about it, we were informed all the	D
E	changes.	E
F	I'm not sure whether there were any discussions with	15
F	them, but the construction division did a lot of	F
G	research and they got hold of a whole lot of	\mathbf{G}
Н	information. They conducted this in a scientific way.	Н
•	Q. In the process of construction, before occupation or	11
I	before completion of the project, would the CBSE	I
J	communicate with you about the specification of the	J
	materials and have discussion and communication with you	Ū
K	about the specifications of the materials on	K
L	a particular project; any communication there?	L
	A. I think individual officers may have some exchanges and	
M	they may write to us, if necessary, and we would give	M
N	them a reply. We didn't have a lot of discussions.	N
0	Q. B15.3, page 39600. We have looked at it a number of	
О	times. That was in July 2002, from the development	0
P	division, that's the DCMBI. That's the instruction from	P
Q	the DCMB, and that was issued comprehensively.	Q
*	If you look at page 39605, the distribution list is	V
R	pretty long.	R
S	A. We received it, yes.	S
	Q. "AD/M", so it has been distributed to your division.	
T		T
U		U
V	- 15 - Transcript by DTI Corporation Asia Limited	v

A	Annex: Realtime English Transcription based on floor / Simultaneous Interpretation	A
В	Commission of Inquiry into Excess Lead Found in Drinking Water Day 44	В
C	You have seen that yourself?	C
	A. AD I remember I was M2. AD/M3 was the AD for	
D	headquarters, for maintenance. He would liaise with the	D
E	construction branch. I don't remember very well about	E
	reading it in detail. Maybe it was just circulated.	
F	I might have read it but I don't have a very good memory	F
G	of it.	G
11	Q. Whether you have read it in detail doesn't really	
Н	matter, but at that time you knew about these revised	Н
I	specifications; you had some knowledge of that?	I
J	A. That's the Specification Library. All the materials,	J
u	all the new materials, would be put there. How they	J
K	would be adopted would vary from project to project.	K
L	The maintenance division must have seen it. I don't	L
	have a vivid memory of it.	
M	Q. If I may refer you to paragraph 14 of your statement,	M
N	page 41, bundle Y1. Paragraph 14, please. Here, it	N
	talks about the toxic substance, the lead being a toxic	
0	substance, and you said you knew that lead was toxic,	0
P	and you said:	P
Q	"(In English) use of lead pipes and fittings	0
Q	containing lead ought to be avoided. In this context,	Q
R	paragraphs 8 and 9 did not attract any special	R
S	attention"	S
	That's paragraphs 8 and 9 of the document you read.	2
T		T
U		U
V	- 16 -	V

A	Annex: Realtime English Transcription based on floor / Simultaneous Interpretation	A
В	Commission of Inquiry into Excess Lead Found in Drinking Water Day 44	В
C	That's the ACQWS's paper.	C
D	Here, you basically are saying that lead pipes and fittings containing lead ought to be avoided. When did	D
E	you become aware of that?	E
	A. When did I become aware of that? This is general	
F	knowledge. This is common sense. We were told about	F
G	this by our teachers in school, and lead should not be	G
Н	used. CHAIRMAN: When you were in school? University or?	Н
I	A. Hong Kong Technical College, 1969 to 1972.	I
J	CHAIRMAN: Hang on. Hong Kong Technical College. What did	J
K	you study?	K
	A. Building surveying.	
L	CHAIRMAN: Yes, please.	L
M	MR KHAW: When you were in technical college, was there	M
	a subject on plumbing and lead should not be used?	
N	A. Yes.	N
0	CHAIRMAN: (Chinese spoken).	o
	A. I don't remember exactly how the lecturer said, but	
P	there were cases quoted about the UK and elsewhere, they	P
Q	did use lead in the plumbing system, and it was said	Q
D	that there were not any problems because the lead would	_
R	be coated, but lead should be avoided in any case.	R
S	MR KHAW: Let's shift the time a little bit. That was in	S
T	the 1970s, when you were in college, you had this kind	T
U		U
v	- 17 -	v

A	Annex:	Realtime English Transcription based on floor / Simultaneous Interpretation	Α
В		ission of Inquiry into Lead Found in Drinking Water	Day 44 B
C		of knowledge. By 2002, copper pipes were going to b	C
D		were used, soldering materials containing lead should	n.
E		not be used?	E
	Α.	We should not use copper pipes made of lead. The Wa	iter
F		Supplies Department published a booklet regarding co	ppper F
G		pipes. If we followed that, everything should be ok	ay. G
***		I've learned so much from that WSD booklet. So we	
Н		didn't have any particular consideration about lead	or
I		leaded solder.	I
J		At that time, in our minds, we were preoccupied	with ${f J}$
9		the yellow, the discoloration of water. There were	
K		many complaints and we were preoccupied with finding	K
L		a solution to that.	L
	Q.	In 2002, there was the revised set of specification	
M		You didn't look at that in detail.	М
N		Let me show you B15.3, page 39616.	N
0	А.	DCMBI? What page?	
0	Q.	Page 39616. SUP 1.M178.N, "(In English) Soldering	О
P		alloys for copper and copper alloy capillary fitting	gs"; P
Q		do you see that?	Q
	А.	Yes.	· ·
R	Q.	The CBSE team made it very clear at the outset that	only R
S		lead-free category of solder should be used.	S
		It seems from this that at that time the Housing	
Т			Т
U			U
v	Transce	- 18 -	v

A	Annex: 1	Realtime English Transcription based on floor / Simultaneous Interpretation		A
В		esion of Inquiry into Lead Found in Drinking Water	Day 44	В
C		Department did make it categorical that lead-free		C
D		category solder should be used, and they have identi	fied	_
D		this potential risk.		D
E		So, for these materials and how you should comply	,	E
F		with the UK standard and how you avoid any		F
r		lead-containing materials or materials with heavy me	tal,	r
G		did you have any further discussion on this?		G
Н	Α.	No, because, for instance, we did not participate in	the	Н
11		specifications review, and once it had been set, we	had	п
I		believed that they complied with British Standards.		I
J	Q.	So now, let's take a look at the ACQWS, some records	of	J
-	:	meetings. We were talking about Paper No. 7 Y1,		•
K		page 27.		K
L	Α.	Which meeting?		L
	Q.	The 3rd meeting. 15 January 2001. It mentions Paper	£	
M		No. 7. This is minutes of the 3rd meeting. Y1,		M
N		page 27, "Advisory Committee on the quality of water		N
0		supplies".		
О		If we look at the time your liaison group had tal	ked	0
P		about using copper pipes, it was around 1999. You ha	ad	P
Q		attended that meeting, Mr Wong?		Q
•	Α.	Yes.		Ų
R	Q.	If we look at internal page 3, paragraph 6.1, page 2	.9 ,	R
S		it discusses Paper No. 7. Paper No. 7 was about qual	lity	S
		of water in buildings.		
Т				Т
U				U
v	Transcri	- 19 -		v

A	Annex: Realtime English Transcription based on floor / Simultaneous Interpretation	A
В	Commission of Inquiry into Excess Lead Found in Drinking Water Day 44	В
C	So if you look at Paper No. 7, that's page 7 you	C
ъ	might have a copy of your own paragraph 6.1	
D	paragraph 9.	D
E	A. We are talking about Paper No. 7?	E
T-1	Q. Paper No. 7, paragraph 9, because the minutes refer to	_
F	Paper No. 7.	F
G	A. Paper No. 7, in the minutes, they said they had	G
	discussed that.	
Н	Q. Yes. So let's take a look. Let's take a look at	Н
I	paragraph 9 of paper 7. It is talking about overseas	I
J	experience.	
J	If we look from paragraph 8:	J
K	"(In English) The problem of water quality in	K
L	buildings is not unique to Hong Kong. A literature	L
	research of publications and through the internet has	
M	been conducted. The situation in the United Kingdom,	M
N	United States of America, Canada and Singapore has been	N
	briefly reviewed.	
0	In the UK and USA, the most common problem is the	О
P	presence of lead in water since during their development	P
0	stage, lead pipes and lead-soldered copper pipes were	0
Q	widely used. The problem has to be addressed by dosing	Q
R	inhibiting chemical additives during the water supply	R
S	treatment process to suppress ionisation of lead and by	S
T.	re-plumbing."	
T		Т
U		U
v	- 20 -	v

A	Annex: Realtime English Transcription based on floor / Simultaneous Interpretation	A
В	Commission of Inquiry into Excess Lead Found in Drinking Water Day 44	В
C	Then it talks about the countries have different	C
D	complaints, and the various reasons. It also refers to: "(In English) Canada and Singapore, like Hong Kong,	D
E	have banned the use of unlined GI pipes in tackling the	E
	corrosion problem."	L
F	So I understand the background. You were talking	F
G	about discoloration of water, and you had come across	G
	overseas experience. So I would like to ask you, set	
Н	aside Paper No. 7, just now, in the minutes of	Н
I	15 January 2001, prior to that, regarding overseas	I
T	experience, they might have used copper pipes, and lead	-
J	had been leached?	J
K	A. No, no. I know lead pipes can leach lead, but nobody	K
L	talked about copper pipes leaching lead, as far as	L
	I understand, even though I'm not an adequate person to	
M	speak on water engineering.	M
N	CHAIRMAN: I would like to ask you, the maintenance	N
0	management branch within the Housing Department	
О	I know building services cover a lot of topics, but are	0
P	there people specialising in water or some people that	P
Q	specialise in electricity and some people specialise in	Q
•	fire?	V
R	A. Well, we have a group of building services engineers.	R
S	Some people's backgrounds are in electrical and	S
	mechanical engineering; some people have a background in	
T		Т
\mathbf{U}		U
v	- 21 - Transcript by DTI Corporation Asia Limited	V

A	Annex: Realtime English Transcription based on floor / Simultaneous Interpretation	A
В	Commission of Inquiry into Excess Lead Found in Drinking Water Day 44	В
C	fire. So there are people with different specialities.	C
D	But regarding maintenance of pipes, the maintenance surveyors, they are responsible, because they have to do	D
E	the re-plumbing. So we learn on the job. We follow the	E
	guidelines issued by the Water Authority, and we hold	
F	regular meetings with them, how to do submissions, how	F
G	to enter the premises. So we meet with the Water	G
	Authority regularly.	
Н	So I cannot say who is more specialised. They are	Н
I	also learning on the job.	I
т	CHAIRMAN: Because when you do re-plumbing, it's almost the	.
J	same as re-installing from the start?	J
K	A. You cannot do that. It's very difficult. It's like	K
L	refitting your tailored suit on the go.	L
	So even deploying people, stopping the water supply,	
M	stopping the pump, it's very troublesome.	M
N	CHAIRMAN: I understand. I mean, when you have to do	N
0	re-plumbing, you have to re-install the pipes for the	
0	tenants.	0
P	A. It's almost like a piece of new work.	P
Q	CHAIRMAN: So the hands-on work would be done by	Q
•	contractors?	Q
R	A. Our maintenance contractors, they also have a licensed	R
S	plumber.	S
	CHAIRMAN: But if you do re-plumbing, so the maintenance	~
T		T
U		U
V	- 22 - Transcript by DTI Corporation Asia, Limited	v

A	Annex: Realtime English Transcription based on floor / Simultaneous Interpretation	A
В	Commission of Inquiry into Excess Lead Found in Drinking Water Day 44	В
C	engineers or surveyors would design a plan and decide	C
_	what materials to use?	
D	A. Yes.	D
E	CHAIRMAN: So, when you decided to use copper pipes	E
F	A. We had never heard of leaching lead. So if he ask me	
F	today, I have accumulated decades of experience, it's	F
G	not surprising, but at that point back then, we didn't	G
Н	hear of it.	Н
	MR KHAW: Back to paragraph 13 of your witness statement.	
I	Y/42. Here, it talks about Paper No. 7. In	I
J	paragraph 13, you said:	J
	"(Partially in English) The focus of Paper No. 7 was	
K	on the discoloration and turbidity due to rusty pipes.	K
L	The comment that 'In the UK and USA, the most common	L
	problem is the presence of lead in water since during	
M	their development stage, lead pipes and lead-soldered	M
N	copper pipes were widely used' was really	N
0	an introductory and passing remark."	
0	So at the time in your evidence, you said that was	0
P	just an introduction, or you just mentioned in passing.	P
Q	Paper No. 7, it had been discussed in the meeting,	Q
•	and of course how thoroughly it was discussed, it cannot	V
R	be surmised from the paper. But in paragraph 9, what	R
S	you quoted just now, it seems that it was a sharing of	S
	experience. Overseas had some problems and what the	
Т		T
\mathbf{U}		U

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Transcript by DTI Corporation Asia, Limited

A	Annex: Realtime English Transcription based on floor / Simultaneous Interpretation	A
В	Commission of Inquiry into Excess Lead Found in Drinking Water Day	y 44 B
C	reasons were, and so on.	C
D	So it seems that regardless of whether you were talking about discoloration or other topics, paragraph 9	D
E	seems to say that overseas, regarding the use of lead	E
	pipes, they ran into certain problems. Somebody had	_
F	mentioned that. Do you agree?	F
G	A. I might not agree because I don't recall whether we had	G
н	discussed that.	***
11	If you look at the PowerPoint, they had talked about	Н
I	overseas experience, but they didn't mention this part.	I
J	This statement is in the paper, but in the PowerPoint,	J
J	if we look at the PowerPoint, page 124:	J
K	"(In English) Literature research on worldwide	K
L	experience on how to ensure water quality in buildings.	' L
3.5	It doesn't mention that. It talks about the UK, USA	
M	installations and Singapore. This one.	M
N	So I don't recall	N
0	CHAIRMAN: So if it was mentioned, it was a minor topic	0
	mentioned in passing?	O .
P	A. If it was a topic, it would be in the PowerPoint.	P
Q	CHAIRMAN: I understand what you are saying. We know that	Q
	in the US or in the UK, at the beginning of 2000, there	
R	were lead solder problems, especially in the UK. So, in	R
S	the UK and US, of course we know that in the US they had	s s
Tr.	lead pipes problems more than leaded solder. But at	
T		T
U		U
V	- 24 - Transcript by DTI Corporation Asia Limited	V

A	Annex: Realtime English Transcription based on floor / Simultaneous Interpretation	A
В	Commission of Inquiry into Excess Lead Found in Drinking Water Day 44	В
C	that point, in the UK, they seemed to have lead solder	C
D	problems. Of course, they had lead pipes as well. So now you are telling	D
E	A. It jogs my memory that might be the case.	E
F	CHAIRMAN: I would like to ask we know that the affected estates, it was in 2008-09 when they started	F
G	construction and they were completed. But if we look at	G
Н	Y1, you say that re-installing the fresh water supply, in February 2005 you say that had already started.	Н
I	Referring to Y/156. In 2005-06, it says, as of	I
J	February 2005, there was re-plumbing in 30 estates using	J
K	copper pipes. So, in other words, maintenance, your experience far	K
L	exceeds a new building construction. Re-plumbing is	L
M	more complex than a new start. So it seems that I'm not sure in 2005 whether they used solder or compression	M
N	joints. They may have used both.	N
0	What I am trying to say is your experience far	o
P	exceeds development and construction? A. Standards, it's repeated.	P
Q	I remember Housing, in the first few estates, in the	Q
R	1,000-odd estates, copper made of 600 or 700 out of 1,000-plus units, and compression joints also made up	R
S	some 500 blocks, and the rest of them are just solder.	S
T	CHAIRMAN: We see that. In other words, Housing Department	T
U		U
••		

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Transcript by DTI Corporation Asia, Limited

A	Annex: Realtime English Transcription based on floor / Simultaneous Interpretation	A
В	Commission of Inquiry into Excess Lead Found in Drinking Water I	Day 44 B
C	used copper pipes. They used lead-free solder. They had started this practice in 2005.	C
D	A. But it seems that our specifications don't mention	D
E	solder material.	E
F	CHAIRMAN: They just refer to towers going up. A. We have very special cases using solder.	F
G	CHAIRMAN: When you undertook re-plumbing, the up-feed.	G
Н	A. The pipes going into the flats, inside flats, we used compression joints.	Н
I	CHAIRMAN: Yes.	I
J	A. Common area, also compression joints. CHAIRMAN: You are talking about in re-plumbing you didn't	J
K	use solder?	K
L	A. No, we didn't use solder, except in special	L
3.4	circumstances, a couple of exceptional circumstances.	
M	CHAIRMAN: There were 800 or 500 blocks. Where was it	M
N	mentioned?	N
0	A. In the internal documents of the Housing Department. CHAIRMAN: I am interested to find out, when you did the	o
P	re-plumbing, everything was all right. Of course, if	P
Q	you used compression joints, there were no problems. But at that time you were already using solder.	Q
R	From what you said, if everything was done properly	, R
S	in the light of I mean, your experience with	S
T	soldering together with copper pipes, your experience	
T		Т
U		U

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Transcript by DTI Corporation Asia, Limited

A	Annex: Realtime English Transcription based on floor / Simultaneous Interpretation	A
В	Commission of Inquiry into Excess Lead Found in Drinking Water Day 44	В
C	surpassed that of the C&D.	C
C	A. (Chinese spoken).	C
D	MR KHAW: In 2005, you undertook the re-plumbing work. You	D
E	said compression joints were used. Subsequently, we	E
	learned that for the affected housing estates, they used	
F	solder joints.	F
G	In this period, 2005 to 2008, did your maintenance	G
Н	staff communicate with the construction staff about the	**
п	advantages and disadvantages of compression joints and	Н
I	solder joints?	I
J	A. We didn't have any discussion like this. But we	J
	preferred the mechanical joints because it was so	J
K	convenient, and you are working in people's homes and	K
L	soldering may not be the preferred option. I think we	L
	did discuss this particular message. Maybe SMS/TD might	
M	have talked with the construction division about the	M
N	pressure. Maybe they talked about ductile. But	N
0	up-feed, we used ductile pipes.	0
О	But solder, leaded or unleaded, I don't think there	0
P	was any discussion at all.	P
Q	Q. The Estate Management colleagues did testify. They said	Q
	that for the affected housing estates, when they were	•
R	under construction, solder joints were used, but when it	R
S	comes to maintenance, compression joints would be used.	S
no.	So how did you go about doing it? Did you saw them off	_
T		T
U		U
1 7		***

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Transcript by DTI Corporation Asia, Limited

A	Annex	:: Realtime English Transcription based on floor / Simultaneous Interpretation	A
В		nission of Inquiry into s Lead Found in Drinking Water	Day 44 B
C		and replace them with compression joints?	C
D	Α.	We were a little bit surprised why the CDC and the maintenance division would use different materials.	D
E	Q.		E
2		discussion like this.	L
F	Α.	I don't know. I cannot recall.	F
G	Q.	You mentioned a moment ago the PowerPoints. If I may	G
**		refer you to the 3rd meeting, on 15 January 2001, the	
Н		ACQWS, 3rd meeting, meeting No. 3. That's bundle Y1,	Н
I		page 29. See paragraph 6 of the minutes, Mr Wong,	I
J		"Paper No. 7 quality of water in buildings":	J
		"(In English) The chairman introduced that the	
K		purpose of this paper was to present the possible	K
L		strategies for enhancing the entire water supply syst	em L
		such that Hong Kong citizens could have confidence in	
M		drinking high quality water directly from their	M
N		taps"	N
•		That was very much the objective: you hoped that	
0		people would have faith in the quality of the tap wat	er.
P		"(In English) and to invite members' views on	P
Q		the possible strategies being studied. A handout	Q
*		containing appendix 1 to the paper and a colour	V
R		print-out of the forthcoming slide presentation were	R
S		tabled in the meeting.	S
		After presentation of the paper by WSD, members	
T			Т
U			U
•			

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Transcript by DTI Corporation Asia, Limited

A	Annex	: Realtime English Transcription based on floor / Simultaneous Interpretation		A
В		nission of Inquiry into s Lead Found in Drinking Water	Day 44	В
C		generally agreed that there was a need to properly		C
D		maintain the plumbing systems in buildings." Let me put this to you. You talked about		D
E		PowerPoints a moment ago. The colour print-out, is	it	E
		from page 122?		
F	А.	Yes, 122 through to 126, this one.		F
G	Q.	The chairman gave the presentation.		G
	Α.	No, no, it wasn't the chairman who did the presentat	ion.	
Н		It was the WSD staff who did the presentation.		Н
I	Q.	Right, WSD gave the presentation.		I
J	Α.	Yes.		
J	Q.	Let me put this to you. For the Advisory Committee,		J
K		there were a number of times that you discussed the	WHO	K
L		standards. I won't go into great detail about it,		L
		except to refer you to G2. Let's have a look at		
M		page 636. That's the 2nd meeting of the ACQWS I	oeg	M
N		your pardon, that's the 1st meeting.		N
0		Let me take you through the paper and then I will	-	
О		put some questions to you. Paragraph 6 of the meeti	ng:	О
P		"(Partially in English) ACQWS Paper No. 1 [WHO)]	P
Q		guidelines and international standards"		Q
V		6.1. The purpose of this paper was to introduce	and	Ų
R		compare the three most well known water quality		R
S		guidelines/standards in the world. In the same way	as	S
T		Singapore and New Zealand, Hong Kong had adopted the		æ
Т				T
U				U
• •				

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Transcript by DTI Corporation Asia, Limited

A	Annex: Realtime English Transcription based on floor / Simultaneous Interpretation		A
В	Commission of Inquiry into Excess Lead Found in Drinking Water	Day 44	В
C	[WHO] guidelines as the standard for drinking water		C
D	quality. The WHO Guidelines were designed to protect human health and were aimed globally, not just at		D
E	developing countries. The members generally agreed t	that	E
	such a practice was considered effective in protecti	ng	
F	public health and therefore should be continued.		F
G	6.2. At present, all 94 health related chemical		G
TT	parameters of the WHO Guidelines and about 30 other		•••
Н	aesthetic parameters had been included"		Н
I	Let's have a look at Paper No. 1 on page 929.		I
J	Page 929, Mr Wong you may have your own copy o		J
3	Paper No. 1 paragraph 2 refers to the WHO Guideli		J
K	for Drinking-water. There are some guideline values	and	K
L	what countries adopted these.		L
	Let me refer you to one more paper. Meeting No.	2,	
M	that's the 2nd meeting. Page 639. In the 2nd meeting	ıg,	M
N	there was discussion on Paper No. 4. That's on		N
0	page 641, paragraph 5.3:		•
0	"(In English) ACQWS Paper No. 4 publication of		O
P	water quality data".		P
Q	5.3.1:		Q
	"(In English) this paper was prepared to pres		¥
R	a detailed proposal on the format and frequency of		R
S	publication of water quality data on the internet and	d in	S
	the form of a pamphlet."		
Т			Т
U			U
v	- 30 - Transcript by DTI Corporation Asia Limited		V

A	Annex: Realtime English Transcription based on floor / Simultaneous Interpretation	A
В	Commission of Inquiry into Excess Lead Found in Drinking Water Day 44	В
C	And there was mention of Muk Wu Pumping Station and	C
	all the rest of the data.	
D	Paper No. 4, page 953. Here on this paper,	D
E	page 953 let's move on to paragraph 8 on page 954.	E
F	It repeats:	17
Г	"(In English) WSD adopted WHO's Guidelines for	F
\mathbf{G}	Drinking-water Quality as standards for treated water."	G
Н	Paragraph 9:	Н
11	"(In English) In addition to the bacteriological	н
I	quality detailed in part (A), and the health related	I
J	chemical parameters listed in part (B), a third table	J
	showing quality parameters which give a good indication	
K	of the characteristics of the supply"	K
L	In the appendix, page 959. Here on this page, it is	L
	about the quality of Dongjiang water, as monitored at	
M	Muk Wu Pumping Station. There are chemicals of health	M
N	significance described by the WHO Guidelines, 1993.	N
0	There are different parameters there. One of them, as	
0	we can see, is lead.	0
P	Page 963, this is drinking water quality for the	P
Q	period between 1999 and 2000. Again, reference is made	Q
	to the WHO Guidelines for Drinking-water. There's the	· ·
R	general situation of the water quality there, in the	R
S	test, lead. Also, the WHO Guidelines are included here.	S
T D	Let me put this to you. In the paper, we saw	
T		Т
U		U

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Transcript by DTI Corporation Asia, Limited

 \mathbf{V}

A	Annex: Realtime English Transcription based on floor / Simultaneous Interpretation	A
В	Commission of Inquiry into Excess Lead Found in Drinking Water Day 44	В
C	reference to the WHO Guidelines. You have had so many	C
D	meetings. As far as you are concerned, did you look at	n
Ь	the WHO Guidelines and the standards? Did you look at	D
E	these in detail?	E
F	A. There were so many experts at the meeting. I was in	F
•	a learning mode, as a user. So I would read the	r
G	documents, to see what I could learn from them.	G
Н	The conclusion generally was there was compliance,	Н
	I was relaxed about it, and if they talked about	11
I	non-compliance, then we would alert my colleagues.	I
J	The experts might have discussion between them about	J
	the parameters, but I didn't understand all the details,	J
K	as a layman.	K
L	So that was the situation. The setting at the time	L
M	was that there was discoloration in the water and the	M
IVI.	residents blamed the Dongjiang water. The Water	IVI
N	Supplies Department tried to think of some solution and	N
0	they published all this data, in order to stop the	0
Ü	complaints. I remember that they had reference to	O
P	international standards, the EU standards and the USEPA	P
Q	standards. There were merits with the different	Q
-	systems, and if we adopted all of these, it would cost	•
R	an additional \$3 billion. It was quite a staggering	R
S	figure.	S
	At the end of the day, it was decided that the WHO	
T		T
U		U
v	- 32 - Transcript by DTI Corporation Asia, Limited	v

A	Annex	:: Realtime English Transcription based on floor / Simultaneous Interpretation	A
В		nission of Inquiry into s Lead Found in Drinking Water	Day 44 B
C	Q.	standard was adequate for use. You are saying that the WHO standards or parameters,	C
D	ν.	relied very much on the WSD's explanation, their exp	
E		doing explanation?	E
	A.	Yes.	
F	Q.	You personally did not look at all these details?	F
\mathbf{G}	Α.	I read the documents.	G
TT	Q.	So you read the documents that they provided?	
Н	Α.	Yes. (Chinese spoken).	Н
Ι	Q.	I would like to ask, Mr Wong, when you attend these	I
J		meetings, your witness statement said that the topic	${f J}$
T 7		discussed, it doesn't mean that everything has to be	
K		followed up by the Housing Department. You have to	K
L		decide on what to follow up, and you would report bar	Ck L
M		to the Housing Department.	
IVI		So I would like to ask at the time, after	M
N		attending meetings, certain matters required follow-	up. N
o		Who would you report to at the time?	0
O	Α.	I recall we were involved. We actively participated	
P		the water quality programme. We would constantly rep	port P
Q		to the BD/M, because it would involve all maintenance	e Q
		and management staff. We did a lot of work in those	few
R		years. We had re-plumbing. We had to participate in	R
S		the water quality programme.	S
		The government relied on us. We are a government	
T			Т
U			U

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Transcript by DTI Corporation Asia, Limited

A	Annex	: Realtime English Transcription based on floor / Simultaneous Interpretation	A
В		nission of Inquiry into s Lead Found in Drinking Water	Day 44 B
C		department; we need to participate actively. And	C
D		I recall the chairman appreciated our work. That programme was very clear in my mind.	D
E	Q.	So the minutes or information from the Housing	E
F		Authority, did you have to keep archives?	F
G	Α.	Yes. We have a system. We have a file. If there's an action, we have to discuss it in BD/M meetings. The state of the system of the system of the system of the system of the system.	ney G
G			- 0
Н		convene every eight weeks. And every district; we had even people from Guangzhou military area.	Н
I	Q.	Just now, you talked about the water quality programm	ne. I
J		That is the Quality Water Supply Scheme for Buildings	J
J		So management companies, they could apply for	J
K		a certificate from the Waterworks Department.	K
L	A.	Yes.	L
	Q.	So, from the documents, we see there is another water	
M		quality programme, the Quality Water Recognition Sche	me. $oldsymbol{M}$
N		So I would like to ask, the first Recognition Scheme,	N
O		did it turn into the Quality Water Supply Scheme for	0
		Buildings?	
P	А.	It had changed names a few times, so we would add som	ne P
Q		new criteria. But I recall that in the ACQWS, initial	lly Q
		they talked about legislation and compulsory	
R		maintenance, and so on, but then later on they decide	d R
S		to encourage the users, so that's why we adopted that	S
T		scheme. We had a lot of discussion for a long time.	We T
U			U
•			

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Transcript by DTI Corporation Asia, Limited

A	Annex	: Realtime English Transcription based on floor / Simultaneous Interpretation		A
В		nission of Inquiry into s Lead Found in Drinking Water	Day 44	В
C		considered financial implications. It was expensive		C
		People would not participate. They have to be willi	ng	
D		to participate. So that was the train of thought.		D
E	Q.	Regarding the Quality Water Supply Scheme for Build	ings,	E
		at that time the Housing Department had participated	lin	
F		the Waterworks scheme. But the details of the plan,	of	F
\mathbf{G}		the scheme, were you responsible within the Housing		G
Н		Department?		Н
•	Α.	We did not have an internal specific meeting, but		п
I		I would constantly report in the ACQWS. There was		I
J		research and study. There's a paper No. 13 of the A	CQWS	J
		that talks about this scheme.		
K		Prior to that, we would circulate amongst each		K
L		other, consulting each other.		L
3.6	Q.	Regarding the Quality Water Scheme, they have some		
M		criteria in order to get the certificate. So these		M
N		standards, you would comply with the Waterworks		N
0		Authority?		0
· ·	Α.	It's the ACQWS experts. There were dozens of expert	.s,	O
P		from scholars to the environmental protection, and s	80	P
Q		on.		Q
	Q.	For establishing standards and parameters and crite	ria	
R		to be complied with, those conditions, did the HD		R
S		participate in that?		S
T	Α.	My recollection is we didn't participate a lot, because	ause	T.
T				Т
U				U
X 7				T 7

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Transcript by DTI Corporation Asia, Limited

A	Annex: Realtime English Transcription based on floor / Simultaneous Interpretation		A
В	Commission of Inquiry into Excess Lead Found in Drinking Water	Day 44	В
C	it was to be implemented by the Waterworks Department		C
D	and they had so many experts, it was feasible. So we just agreed to it. But follow-up, we had to act on		D
E	that. We had to do testing, we had to clean up the		E
_	pumps. A lot of work was involved.		
F	MR KHAW: I have no other questions.		F
G	CHAIRMAN: Let's take a 20-minute break and continue.		G
Н	I think other counsel have questions. Thank you.		Н
11	(11.21 am)		Н
I	(A short adjournment)		I
J	(11.47 am)		J
	CHAIRMAN: Which counsel, any counsel have questions?		Ů
K	Nobody?		K
L	MR YIN: (Chinese spoken).		L
	CHAIRMAN: If there are no questions, then after Mr Yin -		
M	please don't wait until the last minute. Once he star	nds	M
N	up to ask his questions, that's the end of the queue.		N
0	Cross-examination by MR E CHUNG		
0	MR E CHUNG: I have one or two questions that need		0
P	clarification.		P
Q	Mr Wong, regarding maintenance, there were some 50	0	Q
	re-plumbing that used compression joints. I have		¥
R	a paper that I would like to go through with you.		R
S	Bundle B3.2, item 66, page 2387.		S
	Mr Wong, this table is made by the Housing Authori	.ty	
T			T
U			U
v	- 36 - Transcript by DTI Corporation Asia Limited		v

A	Annex: Realtime English Transcription based on floor / Simultaneous Interpretation	A
В	Commission of Inquiry into Excess Lead Found in Drinking Water Day 44	В
C	Review Committee. They had a meet with the maintenance	C
D	department. Their conclusion was that the maintenance	_
D	department have less lead problems because we have	D
${f E}$	a paper RC29 dating back to 2015, where they have this	E
F	table.	F
1	If you look at the middle column, it says "Common	Г
G	Area". Under the item compression joints, the number of	G
Н	domestic blocks is 503. Is this what you were quoting,	Н
	from the internal paper you mentioned?	
I	Another follow-up question is, other areas, aside	I
J	from copper, we have non-copper pipes that were joined	J
	by mechanical joints. So if we minus that from 1,188,	
K	so we have some 500-odd joints that use mechanical	K
L	compression joints.	L
	So, when you say non-copper, which pipes are you	
M	referring to?	M
N	A. I didn't write could it be stainless steel? I'm not	N
0	sure. But according to my previous recollection, there	0
O	were other materials, PVC pipes and other materials were	О
P	tested. The maintenance department had tested different	P
Q	material.	Q
	So, if we tested it, we wouldn't uninstall it, if it	•
R	worked. It might have been that type.	R
S	Q. Just now, you mentioned that for re-plumbing works,	S
	aside from installing interior units, so re-plumbing	
Т		T
U		U
*7		_
V	- 37 - Transcript by DTI Corporation Asia Limited	V

A	Annex: Realtime English Transcription based on floor / Simultaneous Interpretation	A
В	Commission of Inquiry into Excess Lead Found in Drinking Water Day 44	В
C	would install all the pipes. So when you do	C
D	re-plumbing, it has to withstand pressure, so it has to withstand the same pressure before re-plumbing? It	D
E	should be the same?	E
	A. Not necessarily, because a lot of times, when we do	
F	re-plumbing, the pump room might undergo some	F
G	improvements, some amendments. If we have water	G
	pressure complaints from the top storeys, then in those	
Н	cases our colleagues, after discussion with Waterworks,	Н
I	we might make some improvements to the pump.	I
T	So the water pressure might not be the same as	
J	before.	J
K	Q. Because of individual circumstances, if there's	K
L	insufficient pressure, so you had pressure when you do	L
	re-plumbing?	
M	A. The whole pump room, we would have to make changes.	M
N	That would involve other engineers. They would have to	N
0	assist.	
0	MR E CHUNG: I have no other questions.	0
P	Re-examination by MR YIN	P
Q	MR YIN: Mr Wong, I would like to summarise your evidence.	Q
¥	You are aware that the ACQWS Mr Khaw went through	Ų
R	that with you. We know that in paragraphs 8 and 9,	R
S	especially paragraph 9, in ACQWS, in G2/982 there's	S
Т	a sentence there that reads:	Т
		•
U		U
v	- 38 - Transcript by DTI Corporation Asia Limited	v

A	Annex: Realtime English Transcription based on floor / Simultaneous Interpretation	A
В	Commission of Inquiry into Excess Lead Found in Drinking Water Day 44	В
C	"(In English) In the UK and USA, the most common	C
	problem is the presence of lead in water since during	
D	their development stage, lead pipes and lead-soldered	D
E	copper pipes were widely used."	E
	So that sentence says in the UK and US, a common	
F	problem is the presence of lead in water, because during	F
G	their development, at one time lead pipes and	G
11	lead-soldered copper pipes were widely used. Just now,	
Н	you gave evidence saying that was just an introduction;	Н
I	the focus was actually on water discoloration.	I
J	I would like to ask you your personal knowledge.	J
J	You say that when you were in school you heard that lead	J
K	pipes were used overseas; you were aware of that. You	K
L	said, if I remember correctly, you have never heard of	L
	lead being leached from copper?	
M	A. During the meeting, I have not heard of that.	M
N	Q. Therefore you should not know that prior to the 1980s,	N
	in Europe and the US, they had used solder containing	
О	lead.	0
P	CHAIRMAN: (Chinese spoken).	P
Q	MR YIN: Prior to the 1980s, it was very common to use	Q
· ·	leaded solder.	Q
R	CHAIRMAN: Where did you read that?	R
S	MR YIN: We get that from the literature. We can go through	S
	that later.	
T		T
\mathbf{U}		U
V	- 39 - Transcript by DTI Corporation Asia Limited	V

A	Annex: Realtime English Transcription based on floor / Simultaneous Interpretation	A
В	Commission of Inquiry into Excess Lead Found in Drinking Water Day 44	В
C	In the 1980s, they had introduced legislation saying	C
D	that leaded solder should not be used, but later on,	D
D	after it was banned for ten-plus years, at the end of	D
E	the 1990s they still found that plumbers were using	E
${f F}$	leaded solder.	F
	You weren't aware of that?	
G	A. No.	G
Н	Q. In other words, even though the legislation prohibits	Н
_	requires lead-free solder, the specifications call for	
I	lead-free solder, but local plumbers will say that they	Ι
J	were not aware or they would knowingly use inappropriate	J
T 7	solder; you are not aware of this circumstance?	
K	A. Well, at that point, during the meeting, it had not	K
L	caught my attention. Of course now I would have more	L
M	knowledge and I would know that metal contact could lead	M
141	to that. But at that point we just knew that we should	M
N	not use lead pipes and lead fittings. So that's all we	N
0	knew back then.	0
	MR YIN: I have no other questions.	O
P	CHAIRMAN: Thank you, Mr Wong. You have given your	P
Q	evidence. You can leave now.	Q
	(The witness withdrew)	_
R	MR YIN: Chairman, our next witness is Mr Chan Siu Tack.	R
S		S
T		T
U		U
V	- 40 - Transcript by DTI Corporation Asia, Limited	V

A	Annex: Realtime English Transcription based on floor / Simultaneous Interpretation	A
В	Commission of Inquiry into Excess Lead Found in Drinking Water Day 44	В
C	MR CHAN SIU TACK (affirmed)	C
D	CHAIRMAN: Please take a seat, Mr Chan. Examination-in-chief by MR YIN	D
Т	MR YIN: Mr Chan, in response to the Commission of Inquiry,	.
E	you had provided a written statement. I will read the	E
F	statement for you.	\mathbf{F}
G	(Statement read in English)	G
	Mr Chan, you heard that I read out your statement.	· ·
Н	Do you have any changes to be made?	Н
I	A. No.	I
	Q. Would you like to adopt this as your evidence for the	
J	Commission hearing?	J
K	A. Yes.	K
L	MR YIN: I have nothing further.	L
L	CHAIRMAN: Thank you.	L
M	Cross-examination by MR KHAW	M
N	MR KHAW: Mr Chairman, when did you actually join the	N
	Housing Department?	
0	A. It was in 1984.	0
P	Q. By about the year 2000, we understand that there were	P
0	discussions as to whether the main contractor should be	0
Q	allowed to use copper pipes. Were you involved in these	Q
R	kinds of discussions?	R
S	A. I am a structural engineer by profession. In the year	S
	2000, I worked for the construction division. I was	S
T		T
U		U
\mathbf{V}	- 41 -	V

Transcript by DTI Corporation Asia, Limited

A	Annex: Realtime English Transcription based on floor / Simu	ltaneous Interpretation	A
В	Commission of Inquiry into Excess Lead Found in Drinking Water	Day 44	В
C	responsible for structure, and I	wasn't involved in the	C
D	design of plumbing.		D
	Q. So you were not involved in disc	ussion?	2
E	A. No.	lahaha Managamanh	E
F	Q. When did you formally join the E	state management	F
	Division?	annat Birialan in 2000	
G	A. I was posted to the Estate Manag		G
Н	Q. From 2009, you were posted to the	-	Н
т	Division. Were you involved in a	any maintenance of	
I	plumbing works?		I
J	A. My colleagues reported to me that		J
K	works that were still outstandin		K
11	end of the project. We started t		K
L	2002, most of them have been com	- -	L
M	two housing estates where we had	-	М
	replacement, and the situation w	as different than	
N	before.		N
0	Q. So, when you took over, the re-p		0
	to an end. What about new consti	ruction, new projects?	
P	We understand we heard from E	state Management staff	P
Q	that for new projects, during co	nstruction they use	Q
D	solder joints, but the Estate Ma	nagement Division would	T.
R	use compression joints. Were you	a ware of that?	R
S	A. It was when I joined the EMD tha	t I knew about the	S
T	re-plumbing. We used compression	n joints. The reasoning	Т
•			1
U			U

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Transcript by DTI Corporation Asia, Limited

A	Annex: Realtime English Transcription based on floor / Simultaneous Interpretation	A
В	Commission of Inquiry into Excess Lead Found in Drinking Water Day 4	B
C	was that these units were occupied and we try not to use	C
D	soldering, because that would be a fire hazard, and also	
D	the bad odour would become too much of a nuisance to the	D
E	households. So, for the EMD, we would not use soldering	E
F	joints. We would use compression joints. I would say	10
r	99.9 per cent we used compression joints.	F
G	Q. After completion, there is a warranty period. During	G
Н	the warranty period, the projects do not come within the EMD?	н
I	A. Within the DLP, the defects liability period, if there	I
_	are any problems then we would ask the contractors of	
J	the construction division to fix the problem.	J
K	Q. After you have taken over the EMD, these projects may	K
L	come under the defects liability period. If copper	L
M	pipes had to be fixed, solder joints would be used; were	М
141	you aware of that?	171
N	A. The main contractor of the new project would follow up	N
0	on the matter, because they would take over the project.	0
Ü	Q. For the adoption of copper pipes, for fresh water	U
P	plumbing system, lead-free solder had to be used. Were	P
Q	you aware of that?	Q
	A. Before the lead in water incident, I didn't know in	· ·
R	particular that lead-free had to be used. EMD, we used	R
S	compression joints for the copper pipes.	S
T.	Q. So you hardly ever had any exposure to solder joints?	
Т		Т
U		U
V	- 43 -	v

A	Annex: Realt	time English Transcription based on floor / Simultaneous Interpretation		A
В		of Inquiry into Found in Drinking Water	Day 44	В
C	A. We	did have welding, but the welding is not the same	e as	C
	sol	dering for water pipes.		Č
D	Q. Aft	ter you have taken up the membership of the ACQWS	in	D
E	201	.0, on behalf of the HD		E
	A. Sta	arting from 2010, yes.		
F	Q	from 2010, do you remember, at the meeting, whet	her	F
G	the	ere were any discussions of the WHO Guidelines?		G
Н	A. Wel	ll, the WSD would have an regular item on quality	of	**
п	wat	er in buildings. They would say that their stand	lard	Н
I	of	testing complied with the WHO standard. It was	in	I
J	thi	s kind of context that we heard about the WHO		J
Ū	sta	andards.		J
K		The WHO had the 2011 standard but they were stil	1	K
L	usi	ng the 2008 standards. A lot of the members were	è	L
	lay	men, not water experts, and they would explain a	nd	
M	ela	aborate the changes in parameters between the two		M
N	sta	andards. Some were deleted, and the WSD had to		N
0	dev	velop certain tests using the new parameters. The	ere	
0	was	s a brief presentation.		O
P	Q. But	t as far as you were concerned, you didn't look a	t the	P
Q	WHC	Guidelines, did you? You relied on the WSD?		Q
•	A. Yes	s, I relied on the WSD.		V
R	Q. Fir	nally, let me put this to you. After the lead in		R
S	wat	er incident, did you take part in further meeting	gs at	S
	the	e ACQWS?		
T				T
U				U
₹7				

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Transcript by DTI Corporation Asia, Limited

A	Annex: Realtime English Transcription based on floor / Simultaneous Interpretation	A
В	Commission of Inquiry into Excess Lead Found in Drinking Water Day 44	В
C	A. Towards the end of last year, I think October Q. 2015?	C
D	A. Yes, 2015, October, that was the last meeting, and then	D
E	someone else took over.	E
${f F}$	Q. At the meeting, did any discussion take place about the quality of water?	F
G	A. They call meetings to review the Quality Water Scheme,	G
Н	the operation of that particular scheme. On the part of	11
п	the Housing Department, we get the certificates of all	Н
I	the housing estates. The WSD extended the parameters of	I
J	the testing requirements more heavy metals were	J
	included so the Quality Water Scheme, how should it	
K	be reviewed, how should it be implemented and so on.	K
L	Q. So the review, aside from the meeting in October and	L
M	after the excess lead in water incident was exposed,	M
112	there were some new parameters added. Were there any	171
N	other explorations where there were some inadequacies,	N
0	for example the Housing Department or Water Services needed to follow up? Were there such discussions?	0
P	A. No.	P
Q	Q. So aside from the water quality parameters	Q
R	A. No.	R
	MR KHAW: I have no other questions.	K
S	Questioning by THE COMMISSIONERS	S
T	CHAIRMAN: I would like to ask you, in your paragraph 11 you	Т
U		U

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Transcript by DTI Corporation Asia, Limited

A	Annex: Realtime English Transcription based on floor / Simultaneous Interpretation	A
В	Commission of Inquiry into Excess Lead Found in Drinking Water Day 44	В
C	mention the WSD and HD, there are some half-yearly	C
D	meetings. Has that been longstanding, for many years? A. I understand it's been for quite a while.	D
E	CHAIRMAN: You don't know how many years?	T
£	A. I need to check the records.	E
\mathbf{F}	CHAIRMAN: So what is discussed in these meetings?	F
G	A. Mostly well, we have new construction projects. Some	G
	colleagues would talk about streamlining the process	
Н	with WSD, they would look at the submissions,	Н
I	initiatives, and would discuss with WSD. It's	I
T	working-level people.	
J	Sometimes, as in paragraph 11, WSD might have new	J
K	initiatives, the water quality programme, for example,	K
L	and recently, last year, "Save 10 litres", a promotion	L
	programme, where flow controls could be attached to the	
M	facets. It was introduced in those meetings and we	M
N	sought HD's approval and support, then we would install	N
0	it in some estates.	
0	So we would talk about those kind of matters.	0
P	CHAIRMAN: You said it's working level. Would engineers	P
Q	attend?	Q
	A. Senior, chief	~
R	CHAIRMAN: What chief?	R
S	A. I think CBSE.	S
m.	CHAIRMAN: That's high level. So the Estate Management,	
Т		Т
U		U
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A	Annex: Realtime English Transcription based on floor / Simultaneous Interpretation	A
В	Commission of Inquiry into Excess Lead Found in Drinking Water Day 44	В
C	CB	C
	A. New works. I said just now, a lot of it is about new	C
D	works projects and their working methods.	D
E	CHAIRMAN: Excuse me, did Estate Management participate?	E
T.	Would you have a person attending?	_
F	A. Our colleague is a senior.	F
G	CHAIRMAN: C&D's CBSE was the chair.	G
Н	A. Yes.	Н
11	CHAIRMAN: He would represent the Housing Department. And	п
I	Water Supplies, who represented them?	I
J	A. I think it was their counterparty, chief engineer.	J
	CHAIRMAN: And they weren't talking about policies?	
K	A. Some were project-based. We didn't have a lot of big	K
L	policy matters. For big policy, the WSD would have some	L
	initiatives, and they would seek HD support. Whenever	
M	they have new initiatives, they would seek us to do the	M
N	pilot programmes.	N
0	CHAIRMAN: So the Waterworks and you have a regular platform	0
O	for communication?	0
P	A. Yes.	P
Q	CHAIRMAN: Okay. I have no more questions. Anybody else	Q
	with questions?	· ·
R	Okay, thank you, Mr Chan. You can leave now.	R
S	MR SHIEH: We have no other witnesses for today. I would	S
	like to go through the list of witnesses for next week.	
T		Т
U		\mathbf{U}

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 \mathbf{V}

A	Annex: Realtime English Transcription based on floor / Simultaneous Interpretation	A
В	Commission of Inquiry into Excess Lead Found in Drinking Water Day 44	В
C	On Monday, we have no hearing. On Tuesday, we will	C
D	call Ms Ada Fung from the Housing Department. After	_
D	Ms Ada Fung, we have the CIC talking about their	D
${f E}$	curriculum, different trade licences, the curriculum.	E
10	So we forecast Ms Fung will be on Tuesday and Wednesday,	_
F	and then we have CIC, and then Mr Lam Tak Sum might be	F
G	able to return. Then on Thursday we have a VTC witness.	G
**	Just now, Mr Yin told me that Ms Fung has	
Н	an important meeting, and she thinks that she can return	Н
I	by 11 or 12, and Mr Yin has suggested that we start	I
.	late, at 11, or we could call one of the CIC witnesses,	_
J	so we don't have to start late.	J
K	We don't have any big preference or objection,	K
L	because Tuesday-Wednesday we have three witnesses.	L
3.6	There should be sufficient time. We do not mind taking	
M	either option. We could either call Ms Fung and then	M
N	call the two CIC witnesses, or we can have one of the	N
0	CIC witnesses called first and then Ms Fung, and then	O
n	the second CIC witness.	
P	CHAIRMAN: My only concern is will the CIC witness be	P
Q	inconvenienced if he arrives and gives one hour of	Q
n	evidence?	_
R	MR SHIEH: I talked to Mr Yin. If the CIC witness has given	R
S	one hour of evidence and then Ms Fung arrives, we will	S
TD.	continue with that evidence and won't interject Ms Fung	_
Т		Т
U		U
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A	Annex: Realtime English Transcription based on floor / Simultaneous Interpretation	A
В	Commission of Inquiry into Excess Lead Found in Drinking Water Day 44	В
C	in the middle. She can wait.	C
D	MR YIN: Chairman, we would ask for some indulgence. If she goes first, the understanding would be the witness would	D
E	complete their evidence.	E
F	MR SHIEH: Even with indulgence, we cannot ask them to appear immediately.	F
G	CHAIRMAN: We will hear the CIC witness first.	G
н	So this concludes this week's hearing. Thank you. (12.22 pm)	Н
I	(The hearing adjourned until 10.00 am	I
J	on Tuesday, 26 January 2016)	J
K		K
L		L
M		M
N		N
0		0
P		P
Q		Q
R		R
S		S
T		T
U		U
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