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A	GA CVI 94/2011	A
В	CACV 84/2011	. В
C	IN THE HIGH COURT OF THE	C
С	HONG KONG SPECIAL ADMINISTRATIVE REGION	_
D	COURT OF APPEAL	D
Œ	CIVIL APPEAL NO. 84 OF 2011	E
	(ON APPEAL FROM HCAL NO. 9 OF 2010)	F
F		_
G	BETWEEN CHU YEE WAH Applicant	G
H	and	H
I	DIRECTOR OF ENVIRONMENTAL Respondent PROTECTION	I
J		J
**	Before: Hon Tang VP, Hartmann JA and Chu JA in Court	K
K	Date of Hearing: 23—25 August 2011	
L	Date of Judgment: 27 September 2011	L
M	JUDGMENT	M
N		N
0	Hon Tang VP:	o
0	The Environmental Impact Assessment Ordinance (Cap. 499) ("EIAO")	*
P	Ine Environmental Impact Assessment Oranaises (Cap: 1227)	P
Q	1. These proceedings concern the Hong Kong section of the proposed	Q
u	Hong Kong-Zhuhai-Macau Bridge ("the HKZM Bridge") project. The HKZM	R
R	Bridge runs across the waters of Lingdingyang in the Pearl River Estuary, and	
S	will connect the HKSAR, Zhuhai City in Guangdong Province and the Macau	S
T	Special Administrative Region, as part of the construction project known as the	т
•	"National High Speed Road Network Planning".	U
U		U
v		v

Cap. 499, section 9

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Cap. 499, section 5(2)(c)

Cap. 499, section 5(3)

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Cap. 499, section 5(6)

Under certain circumstances, for example, where "the environmental impact of the project is adequately assessed in an environmental impact assessment report in the register", and remained relevant, the Director may permit an applicant to apply directly for an environment permit. This has no relevance here. (Cap. 499, sections 5(9) and 5(11))

Cap. 499, section 5(8). Such default provision is found throughout the process, see sections 6(5), 8(4) and 10(4).

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	assessment	study brief and the technical memorandum", in which event14, the	n
В	Director		В
С		"(4) shall advise the applicant when the report must be exhibited	C
D		for public inspection, whether the advertisement is to contain any specific material and whether a submission to the Advisory Council on the Environment or its subcommittee is required."	D
E			E
	11.	If he decides that the report does not meet the requirements, "he	F
F	shall advis	e the applicant of the reasons why the report is unacceptable".	F
G	(Section 6(6))	G
н	12.	Section 7 deals with "Public inspection of reports" for a period of	H
	30 days, as	well as advertisements of the availability of the report once every 10	I
I	days during	g that period, as well as the content of the advertisement ¹⁶ .	-
J			J
	13.	Section 7(5) goes to provide that:	к
K L		"(5) The Advisory Council on the Environment may give any comments it has on the report to the Director within 60 days of its receiving a copy of the report."	L
			М
M	14.	Section 8 deals with the approval of the environmental impact	
N	assessmen	t (EIA) report. Section 8(1) and (2) provide that:	N
o		"(1) The Director may, within 14 days of the expiry of the public inspection period or the receipt of comments from the Advisory	o
P	•	Council on the Environment, whichever is later, ask an applicant in writing to give him the information he requires to decide whether to approve an environmental impact assessment report. The Director shall	P
Q		supply the applicant with one set of written comments received from members of the public and the Advisory Council on the Environment free of charge where comments have been received.	Q
R		(2) The Director shall not make a request for further information	R
s		where comments have not been submitted to him on the report as a result of the public consultation or from the Advisory Council on the Environment."	s
Т	1.5	the Director is taken to have decided that the report meets the requirement. (Cap. 499, section 6(5))	Т
U	Cap. 499, s 16 which incl	section 6(4) udes information that comments by members of the public may be given before the expiration of the period of sultation expires (Cap. 499, section 7(2)(c)).	Ü
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由此 8 A The Proceedings В The project proponent is the Highways Department ("the HD") 20. \mathbf{C} who submitted the project profile for the Link Road in October 2003, the project D profile for the TM-CLK Link in November 2007 and the project profile for the Boundary Crossing Facilities in March 2008. The respective study briefs were \mathbf{E} issued in November 2003, December 2007 and April 2008. The contents of F the study briefs are materially the same. \mathbf{G} The EIA report for the Boundary Crossing Facilities ("the BCF 21. EIA Report") and the EIA report for the Link Road ("the Link Road EIA H Report") (collectively "the EIA Reports") were delivered to the Director on I The EIA Report for the TM-CLK Link ("the TM-CLK Link EIA Report") was delivered to the Director in August 2009. J advised the HD that the reports were suitable for public inspection on 13 August K 2009. \mathbf{L} During the consultation period for the BCF EIA Report and the 22. M N 1,362 sets of public comments on the latter. 0 P

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Link Road EIA Report from 14 August 2009 to 12 September 2009, the Director received a total of 1,353 sets of public comments on the former and Following a meeting on 21 September 2009, the Environmental Impact Assessment Sub-committee ("the EIA Sub-committee") of the ACE requested further information on various aspects of the air quality assessment in the EIA Reports, which was provided by the HD.¹⁸ At its meeting on 12 October 2009, the ACE considered the report of the EIA Sub-committee and endorsed the EIA Reports with conditions.

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Report on the 110th EIA Sub-committee Meeting paras. 22 and 23.

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	23. The HD then submitted further information, including a paper	В
	entitled "Supplementary Information on Further Elaboration of the Key	
	Assumptions for Regional Air Quality Emission Inventory". 19	С
	24. The Director approved the BCF EIA Report, the Link Road EIA	D
	Report and the TM-CLK Link EIA Report on 23 October 2009.	E
	25. The Director issued environmental permits for the three projects on	F
	4 November 2009.	G
	26. The Applicant challenged the Director's decision to approve the	Н
	Boundary Crossing Facilities ("the BCF EIA Report") and the environmental impact assessment report for the Link Road ("the Link Road EIA Report"), and	I
	his subsequent decisions to issue environment permits pursuant to section 10 ²⁰ .	J
	First Instance	K
		L
	On 18 April 2011, Fok JA (sitting as an additional Judge of the	М
	Court of First Instance) quashed the decision of the Director in approving the	141
	relevant reports as well as the related permits, on the basis of the first of the seven issues raised in the proceedings. The issues were summarized by the	N
	learned judge in his judgment ("Judgment") as follows:	O
	"33. First, the applicant contends that (the TM and) SBs require the	P
	projected environmental conditions without the Boundary Crossing Facilities and Link Road projects but the EIA Reports fail to do so and erroneously conclude that these projects would have no cumulative	Q
	residual air quality impact.	R
	34. Secondly, the applicant contends that the TM and SBs require the EIA Reports to explain how the input data used in the PATH model used in the assessment of air quality was compiled and verified and to disclose	s
r	the results generated by it but this is not done in the EIA Reports.	Т
U	Letters from the HD to the Director dated 20 October 2009. The applicant did not challenge the TM-CLK Link BIA Report and the environmental permit for the TM-CLK Link to avoid complicating this application: see Re-Amended Form 86A Notice at §59.	U

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Shiu Wing Steel, para. 23

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Shiu Wing Steel Ltd v Director of Environmental Protection & Airport Authority (No. 2) (2006) 9 HKCFAR 478. Court of Final Appeal (Bokhary, Chan, Ribeiro PJJ, Mortimer and Sir Gerard Brennan NPJJ).

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В	31. As the learned judge said, the TM is a document which applies
	generally to all designated projects. "A study brief, on the other hand, is
\mathbf{C}^{-1}	project-specific."25 The study brief "sets the agenda for the rest of the process"
	and that:

"There are two main matters of public interest involved. Both are important. The first is the public interest in the protection of the environment upon which the quality of life in Hong Kong will increasingly depend. The second is the public interest in ensuring that major designated projects are brought to fruition in a timely and efficient manner. The time constraints put upon the Director for steps in the process and for his decisions show that the Ordinance aims to satisfy both interests. It is necessary in the implementation of the process that both should be kept in mind. This is so especially when major infrastructural projects (roads, railways, tunnels, reclamation works and the like) which may cause a variety of adverse environmental impacts are proposed."²⁶

32. In support of the 1st issue, the Applicant relied on paras. 74-80A, 86(a) and (b) and 89 of the Re-Amended Form 86. The 1st issue as stated in the Re-Amended Form 86-reads:

"1. They failed to provide the required 'with/without' analysis of the projected environmental conditions without the HZMB project in place as required by §4.31(c) and 4.42(g) of the TM. ..."

There is no challenge to either the TM or the SB. What Fok JA had to decide was whether the TM and/or the SBs required a stand-alone assessment to be provided in the EIA report.

34. The Applicant relies on the following diagram which provides a simple illustration of the concept of the environmental impacts of a project, namely, environmental changes as a result of a proposed activity or project, compared with what would have happened had the project not been undertaken:

Judgment, para. 46

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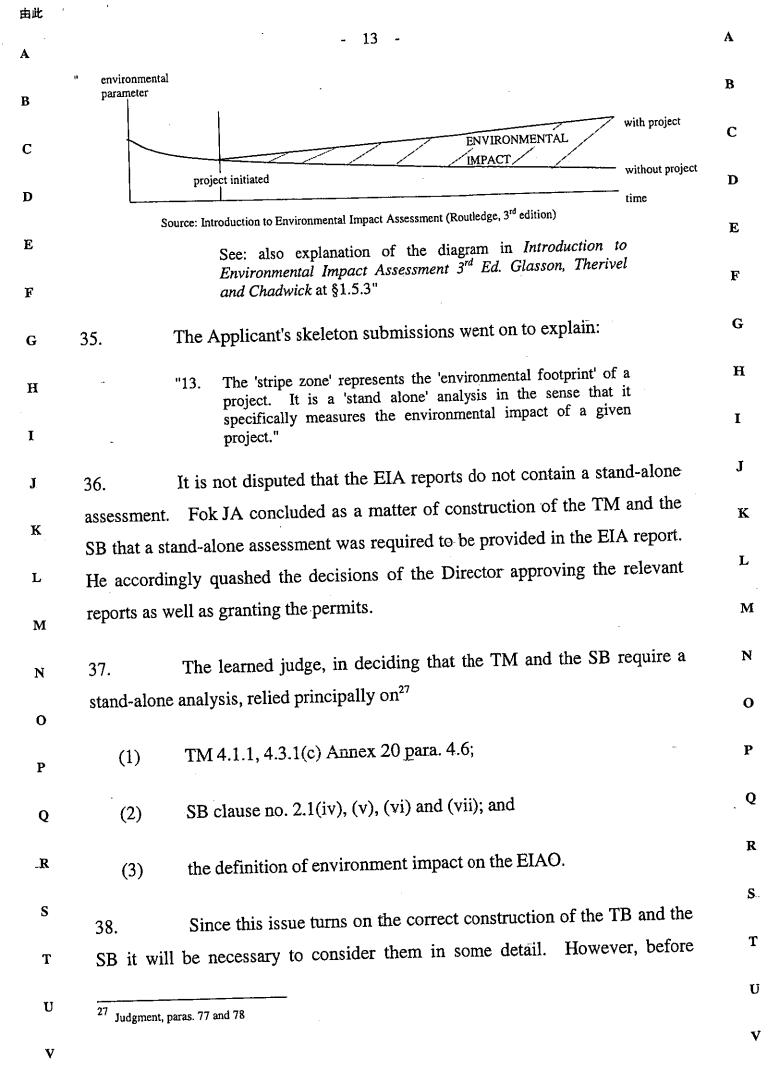
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See: Kowloon-Canton Railway Corporation v Director of Environmental Protection, EIA Appeal Board Appeal No. 2/2000, unrep., 20 July 2001. Cited by Fok JA. Judgment, para. 47.



41. Fok JA explained that there are two approaches to the control of pollution. One approach (which was described by Mr Dykes as the bucket approach) is to impose limits on the quantities of polluting matters which a given activity may emit, into which pollutant may be poured so long as there is still space in the bucket. Another is to provide a framework for specific directives imposing quantitative limits on the extent to which the environment

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"The owner of any premises used for the conduct of any specified process (to) use the best practicable means for preventing the emission

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В	The third is European Council Directive 96/62/EC of 27 September	В				
В	1996 on ambient air quality assessment and management. Article 7(1) dealing					
C	with improvement of ambient air quality required a Member States to:	С				
D	" take the necessary measures to ensure compliance with the limit values".	D				
E	Mr Yu submitted that the learned judge's reliance on Edwards or	E				
F	Rockware Glass was misplaced because they concerned Directives 96/61/EC	F				
G	and 96/62/EC, which Mr Yu submitted have their equivalent in APCO. He submitted that the equivalent of EIAO is Directive 85/337/EC.	G				
H		H				
ľ	52. Unfortunately, counsel overlooked the fact that both the TM and SBs require a project proponent to minimize pollution. It is clear that the	I				
J	project proponent is obliged to ensure that measures would be taken to reduce	J				
·K	pollution to a minimum, as well as to satisfy the criteria of TM Annex IV. For	K				
^^	example, TM 4.2.1 requires a typical study objective to:					
L	"(f) to propose the provision of infrastructure or mitigation measures to minimize pollution, environmental disturbance and	L M				
M	nuisance during construction, operation (or decommissioning) of the project(s);	IVI				
N	(g) to investigate the feasibility, effectiveness and implications of the proposed mitigation measures;"	N				
O	TM 4.3.1(d) requires the methodology to be adopted to be capable of:	О				
P		P				
Q	"(i) identifying and evaluating mitigation measures in order to avoid, reduce or remedy the impacts;	Q				
¥	(ii) assessing the effectiveness of mitigation measures;"	_				
R	SB clause no. 2.2.1(v) requires proposals relating to "the provision of	R				
S	infrastructure or mitigation measures so as to minimize pollution".	S				
T	53. When such requirements were examined, neither Mr Yu nor Mr	Т				
U	Dykes disputed that both the TM and the SB required the project proponent to	U				
		v				

I believe Fok JA's construction of the TM and SB was influenced

With respect, I agree with the learned judge the EIAO incorporates

or (90%-30%)) a proponent must minimize pollution.

by the submissions made on behalf of the Director that EIAO was not

concerned with the minimisation of pollutants from a designated project, a

both of the two approaches referred to in Edwards. I am further of the view

that the duty to minimise pollution would not depend on the extent of the

pollution footprint of a designated project. Whatever the footprint of a project

Furthermore, unlike the learned judge, I do not believe it is necessary to

construe the TM or the SB as requiring a stand-alone assessment in order that

the Director can decide what mitigating measures should be adopted.

submission repeated by Mr Yu (who did not appear at first instance).

minimize pollution. Indeed Mr Dykes agreed that minimization of pollution is required whatever the baseline condition, contrary to his initial submission that В what mitigation measures and what conditions the Director might impose may \mathbf{C} vary according to whether a baseline study shows the footprint of a project is

90-30% as opposed to 90-80%31.

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The TM is divided into 12 sections addressing the various steps of 56. P There are specific provisions dealing with the different types of environmental media (e.g. water, noise, air, etc) in the Annexes to the TM. Q Annexes 4-10 set out the criteria for evaluating the impacts on different R environmental media; and Annexes 12-19 set out the guidelines for assessment of such impacts. Annexes 4 and 12 concern air quality and are particularly S relevant. Annex 20 sets out the "Guidelines for the Review of an EIA Report".

31 Mr Dykes agreed that it cannot be that when the environment is pristine, less reduction of pollution would be required. U

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A	57	TM 2.1 requ	tires the study brief to set out, inter alia, "the	'n
В	57. requirement		study shall need to fulfil".	В
C	_		C TTA	С
D	58.		als with the "Objectives and Contents of an EIA	D
_	Report".	TM 4.1.1 provi	ides:	E
E		Januments pr	A report shall comprise a document or series of oviding a detailed assessment in quantitative terms,	F
F		wherever possi	ible, and in qualitative terms of the likely environmental environmental benefits of the project. The requirements export shall be set out in accordance with this technical	
G		memorandum.	The EIA report shall be produced in accordance with brief issued by the Director to the applicant."	G
H	59.		(vi) and (c) specifically required the prediction and	н
I			th respect to the criteria described in Annexes 4-10.	I
J				$\mathbf{J}^{:}$
J .	60.	TM 4.3.1(c)	and (d) provide:	K
К		affacts	t Evaluation: an evaluation of the anticipated changes and shall be made with respect to the criteria described in	L
L		nossit	kes 4 to 10 inclusive, and in quantitative terms as far as ole. The methodologies for evaluating the environmental of shall be capable of addressing the following issues:	M
M		(i)	the existing or projected environmental conditions without the project in place;	N
N			the projected environmental conditions with the project	
o		(ii)	in place and the sum total of the environmental impacts taking into account all relevant existing, committed and	О
P			planned projects;	P
Q		(iii)	a differentiation between the environmental impact caused by the project and that caused by other projects, and to what extent the project aggravates or improves	Q-
_			the existing or projected environmental conditions;	R
R	·	(iv)	the environmental impact during different phases of construction and development of the project; and	s
S		(v)	the evaluation of the seriousness of the residual environmental impacts (see Section 4.4.3).	T
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A				litigation: the methodologies proposed for mitigation	
В	(b)	sh	all give	e priority to avoidance of impacts. The assessment shall be capable of:	В
С		(i) id	entifying and evaluating mitigation measures in order avoid, reduce or remedy the impacts;	D
D		(i	ii) as	ssessing the effectiveness of mitigation measures; and	~
E		(tl	efining the residual environmental impacts, which are net impacts remaining with the mitigation measures	E F
F				n place."	r
	61.	rm 4.3	3.2 stip	oulates that for the issues described in Annexes 12-19,	G
G	the Director shall evaluate the assessment approaches and methodologies in				
н	accordance v	vith the	e guide	elines in those Annexes, unless otherwise stated in the	Н
I	SB, and it is	only v	where	the issues are not fully covered in those Annexes that	I
	the Director	shall a	ppiy th	ne general principles in section 4.3.1.	J
J	62.	TM ⁻ 4.	.5.1 pro	ovides:	ĸ
K				port shall be approved with or without conditions if	L
L		(a)	the req	uirements in the (SB) have been met;"	М
M	63.	Section	on 7 of	f the TM covers "Issuing Environmental Permit", and	
N	reads:				N
0		"7.1	11.	Director will grant an environmental permit to the ant if an EIA report covering the project has been	0
			appro	ved with or without conditions under this Ordinance	P .
P		7.2	The I	Director will use the following criteria in determining the tions to be imposed in an environmental permit:	$ar{\mathbf{Q}}$
Q			(a)	the mitigation measures set out in the project profile or the findings and conclusions of the approved EIA report,	R
R				whichever is applicable;	g
s			(b)	the conditions of approval of the EIA report;	S
T			(c)	the conditions of approval for proceeding directly with the application for environmental permit;	Т
					U
U					v

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A			- 22 -	A
В		(d)	the advice given to him by other relevant authorities on matters within their jurisdiction as listed in Section 9 of this technical memorandum, or	В
С		(e)	the measures that are necessary to meet the guidelines, standards or criteria laid down in this technical	С
D			memorandum; and	D
E		the und	Director will follow any advice received from the Secretary er Section 10 of this technical memorandum.	E
F	7		addition, the following principles shall be followed when any the conditions:	F
G		(a)	conditions which would be imposed through other applicable ordinances or regulations shall not normally be imposed in environmental permits issued under the	G
Н			Environmental Impact Assessment Ordinance;	Н
ĭ		(b)	conditions may be imposed in addition to the requirements laid down in other applicable ordinances upon the advice of the relevant authorities, but this must	1
J			be in accordance with section 10(8) of the Ordinance. There shall be adequate justification in the EIA report to	J
K		·	demonstrate the need for such conditions to reduce the cumulative impacts of the project to avoid the violation of other applicable ordinances or exceedances of any	K
L			applicable criteria, standards, guidelines or principles as defined in accordance with this technical memorandum."	L
M				M
N	64. hazard to life		sets out the criteria for evaluating air quality impact and ws:	N
o		"ANNEX	4 : CRITERIA FOR EVALUATING AIR QUALITY	O
P		•	AND HAZARD TO LIFE r Quality Impact	P
Q	-	1.1 T	ne criteria for evaluating air quality impact include the llowing:	Q
. R		(a	a the other standards	R
s		(t	meet hourly Total Suspended Particulate concentration	S-
T			of 500 microgrammes per cubic metre measured at 298°K (252°C) and 101.325 kPa (one atmosphere) for construction dust impact assessment;	Т
U			-	U
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	(iv)	to identify and assess air quality impact,	~		
В		f ' Ctture or mitigation	В		
С	(v)	measures so as to minimize pollution, environmental disturbance and nuisance during construction and operation of the Project;	С		
D	(vi)	to identify, predict and evaluate the residual (i.e. after	D		
E	(*2,	practicable mitigation) environmental impacts and the cumulative effects expected to arise during the construction and operation phases of the Project in relation to the sensitive receivers and potential affected uses;	E		
F			F		
G	(vi	i) to identify, assesses and specify methods, measures and standards, to be included in the detailed design, construction and operation of the Project which are necessary to mitigate these environmental impacts and reducing them to acceptable	G		
H		levels;"	H		
- I -	68. SI	3 clause no. 3 covers "Detailed Requirements of the EIA Study".	1		
J	SB clause no. 3	3.2(ii) requires the EIA report to address:	J		
К		the potential air quality impacts from the construction and operation of the Project to sensitive receivers near the Project, taking into account the cumulative impact from the	K		
L		construction and operation of existing and planned/committed projects in the vicinity of the Project,"	L		
M		B clause no. 3.3 deals with "Consideration of Alternative	M		
N		uding (clause no. 3.3.1) "Need of the Project"; (clause no. 3.3.2)	N		
•	"Consideration of Project Locations, Size of Reclamation and Layout Options";				
O	(clause no. 3	.3.3) "Consideration of Alternative Construction Methods and	О		
P	Sequences o	f Works" and (clause no. 3.3.4) "Selection of Preferred	P		
r		Method(s) and Sequence(s) of Works".			
Q			Q		
R	70.	BB clause no. 3.4 "Technical Requirements" requires:	R		
S		The Applicant shall clearly state in the EIA report the time frame and work programmes of the Project and other concurrent projects, and assess the cumulative environmental impacts from the Project with all	S		
Т	i	interacting projects as identified in the EIA study, including any obhased implementation of the Project and the associated works."	Т		
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A	71.	"Air Quality Impact" under SB clause no. 3.4.1, SB clause	В
В	no. 3.4.1.1	states:	С
C		"The Applicant shall follow the criteria and guidelines for evaluating	C
D		and assessing air quality impact as stated in Annexes 4 and 12 of the TM, respectively."	D
E	72.	SB clause no. 3.4.1.4 states the air quality impact assessment shall	E
F	include the	e following:	F
		"(iv) Operational Phase Air Quality Impact	G
G H		(a) The Applicant shall calculate the expected air pollutant concentrations at the identified ASRs based on an assumed reasonably worst-case scenario under normal	Н
n		amounting conditions. The evaluation shall be based on	I
I		the strength of the emission sources identified in sub-section 3.4.1.4(ii)(b) above. The Applicant shall follow sub-section 3.4.1.4(v) below when carrying out	J
J		the quantitative assessment.	
K		(b) The air pollution impacts of future road traffic shall be calculated based on the highest emission strength from the road within the next 15 years upon commencement	K
Ļ		of operation of the proposed road. The applicant shall demonstrate that the selected year of assessment	L
M		represents the highest emission scenario given the combination of vehicular emission factors and traffic flow for the selected year. The Fleet Average Emission	M
N		Factors used in the assessment shall be agreed with the	N
o		Factors shall be determined by a motor vehicle emission model such as EMFAC-HK model to be agreed with the Director. All the traffic flow data and assumptions that	О
P		are used in the assessment shall be clearly and properly documented in the EIA report.	··· P -
Q		••••••	Q
		(v) Quantitative Assessment Methodology	R
R		(a) The Applicant shall apply the general principles enunciated in the modelling guidelines in Appendices	s
S		B-1 to B-3 while making allowance for the specific characteristic of the Project. This specific methodology must be documented in such level of details, preferably	Т
Т		assisted with tables and diagrams, to allow the readers	U
U		up to simulate the situation under study without	
*7			V

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A	73.	SB clause no. 3.4.1.1 requires the applicant:	В
В		" shall follow the criteria and guidelines for evaluating and assessing air quality impact as stated in Annexes 4 and 12 of the TM,	С
C		respectively."	D
D	74.	SB clause no. 3.4.1.4(vi) under "Mitigation Measures for	E
E	Non-comp	liance" requires a proponent to:	
F		" propose remedies and mitigating measures whether predicted air quality impact exceeds the criteria set out in section 1 of Annex 4 in quality impact exceeds the criteria set out in section 1 of Annex 4 in	F G
G		the TM, its measures and other associated constraints on future land use planning shall be agreed with the relevant government departments/authorities and be clearly documented in the EIA report.	н
H		The applicant shall demonstrate quantitatively that the residual impacts after incorporation of the proposed mitigating measures will comply with the criteria stipulated in section 1 of Annex 4 in the TM."	1
I		with the criteria stipulated in section 1 of 1 2223	•
J	EIA Repo		J
	75.	There is no dispute that the EIA report has dealt adequately with	K
K	the existing	ng conditions. Nor that the EIA report contained an assessment of the	L
L	cumulativ	we impact of the HKZM Bridge. It is accepted that the EIA report has	М
M	provided	an analysis of the future with the HKZM Bridge, together with ed and planned projects. The objection is that there was no	N
N	etand-alc	one assessment in the sense that it had not been assessed what the future	14
o	air qualit	ty might be without the HKZM Bridge but with committed and planned	O
	projects.		P
P	76.	Fok JA said that such an assessment is essential because it would:	Q
Q	10.	the Director with relevant information so that she	R
R		"79 provide the Director with relevant information of the grant an can make a fully informed decision on whether or not to grant an environmental permit"	s S
S		It is however important to note that it was not the learned judge's	b
m	77.	n that even if the TM and/or SB had not required such a stand-alone	T
T	decision	nent, the Director's could or should nevertheless have refused to approve	U
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the EIA report or issue a permit. Nor was it the learned judge's view that section 10(2)(c) of EIAO, under which the Director shall have regard to:

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whether the environmental impact ... is or is likely to be prejudicial to the health or well being of people ..."

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requires a stand-alone assessment.

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On appeal, Mr Dykes sought to rely on section 10(2)(c) in support 78. of the argument that a stand-alone assessment is required so that the EIA reports should not have been approved or permits issued. That was not how the Applicant's case on the 1st issue was put in the Re-Amended Form 8633. The 1st issue as framed in the Form 86 requires this court to decide whether as a explained above.

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matter of construction the TM or SB requires a stand-alone assessment as

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Mr Yu submitted and I agree that we should not decide whether the 79. Director has a discretion, under section 10(2), to refuse a permit even when the Air Quality Objectives ("AQOs") have not been exceeded and the report being

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otherwise compliant.

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The appeal

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Mr Yu submitted that the requirement for a prediction of 80. cumulative impact is prescribed specifically in SB clause no. 3.4.1.4(iv)-(v) There is no equivalent stipulation for a "stand-alone (especially (v)(c)). Thus, the court should reject the Applicant's invitation to perform a "cut and paste" exercise in drawing together words and phrases from different instruments (or different parts of the same instrument) with a view to constructing such a requirement. He submitted had it been the intention of the

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See: The Summary of Applicant's case at pages 5 and 6 of the Re-Amended Form 86. Non compliance with the TM and SB (paras. 68-101E)

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Skeleton Submissions of Counsel for the Director dated 5 August 2011 at page 15

Skeleton Submissions of Counsel for the Director dated 5 August 2011 at page 8

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mitigation measures being required where the criteria in of TM It follows also that TM Annex 4 paragraph 1 are exceeded. В section 4.5.1(d) is to be understood as referring to the cumulative residual environmental impact with the projects in place. I therefore accept that these provisions do not assist the applicant and, on the C contrary, appear to limit the required air quality assessment to be presented in the EIA Reports to the position with the projects in D

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place."

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With respect, had counsel informed Fok JA, as they have accepted 84. before us, that both the TM and the SB require the project proponent to minimize pollution such that had the proponent failed to do so, the EIA report would not have been approved, I do not believe the learned judge would have found it necessary to read a requirement for a stand-alone assessment into the Moreover, although it is a matter of construction for the court TM and/or SB. to decide what is required by the TM or SB, it is often a question of professional judgment what information is required to be contained in an EIA report to enable the Director to perform her duties. In that case unless the judgment is Wednesbury unreasonable, the court is not entitled to interfere.

I turn to the specific provisions relied on by Fok JA.

does not in terms require a stand-alone assessment. Nor does it state what is

the assessment that has to be done in the case of air quality. I agree with Mr

Yu that the second and third sentences of TM 4.1.1 in fact support the Director's

construction, for they require the EIA report to be set out in accordance with the

TM (i.e. Annex 12) and produced in accordance with the SB (i.e. SB clause

Annexes 4 and 1237. TM 4.3.2 specifically provides that "for issues described in

The learned judge relied on the first sentence in TM 4.1.136, which

The specific requirements for air quality assessment are set out in

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Para, 58 above.

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no. 3.4.1.4(v)(c).

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³⁷ See paras. 64 and 65 above.

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A Annexes 12 to 19, the Director shall evaluate the assessment approaches and methodologies in accordance with the guidelines in these annexes, unless В otherwise stated in the study brief." Annex 12 para. 3.6 specifically requires C the project proponent to do an assessment of the cumulative impacts only. The same specific requirement i.e. cumulative assessment was stipulated in the SB D for this project, see SB clause no. 3.4.1.4(v)(c)³⁸. \mathbf{E}

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TM 4.3.1(c) 39 - the focus of this provision (specifically, 88. sub-paragraph (i)) is on the capability of the methodologies of evaluating the environmental impact and not on the contents of any EIA report; the unchallenged evidence is that the methodology employed by the project proponent was capable of addressing the projected environmental conditions without the project in place. When TM 4.3.1(c) is read together with TM $4.3.2^{40}$, Annex 12 para. 3.6^{41} and SB clause no. $3.4.1.4(v)(c)^{42}$ which explicitly called for only a prediction of cumulative effects, I do not believe TM 4.3.1(c) enables one to conclude that a stand-alone assessment is also required.

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TM Annex 20 para. 4.643 - Annex 20 sets out the general 89. guidelines for review, but TM 4.4.2 stipulates that the quality of the EIA report is to be reviewed against not just Annex 20 but also TM 4.3; and 4.3.2 explicitly requires the Director to look at Annex 12 and the SB.

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As for SB clause no. 2.1(iv), (v), (vi) and (vii)⁴⁴, the learned judge 90. observed45 that they require the project proponent "at the first stage (to identify) the change in the quality of the air", but thought that these provisions also

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R Para. 72 above.

³⁹ Para. 60 above.

⁴⁰ Para. 61 above.

^{41 §3.6(}a) requires "Assessment results (to) provide information on ... cumulative impacts ..."

⁴² Para. 72 above. T

Para. 66 above.

Para. 67 above.

Para. 77 of the judgment.

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support the view that a stand-alone assessment is required for "the identification and mitigation of the residual environmental impacts and cumulative effects, which may call for further mitigation".

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The learned judge probably had in mind TM 7.346 which covered 91. situations where the Director may impose "... conditions to reduce the cumulative impacts of the project to avoid the violation of other applicable ordinances or exceedances of any applicable criteria, standards, guidelines or

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principles as defined in accordance with this (TM)".

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With respect, I am unable to agree they support the view that as a 92. matter of construction, a stand-alone assessment is required.

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Mr Dykes submitted that there are six reasons why a stand-alone 93. analysis is required, otherwise the EIAO scheme would not achieve its purpose of minimising pollution. I will not deal with the reasons specifically. I do not agree with any of them. Mr Yu has correctly explained why they are

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unsound⁴⁷.

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The essence of Mr Dykes' submission is that: 94.

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The EIAO/TM/SB reduces or minimizes impact using a 2-stage "8. approach (identified by the learned Judge at §77):

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one tries to mitigate all impacts from the project (I) whenever practicable; and then

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one measures cumulative impacts against the applicable (II)standards (e.g. AQOs). And if the cumulative impacts exceed the benchmark - PP must mitigate again to reduce it to acceptable levels.

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See, for example, Para. 18 of the Director's skeleton submissions.

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Para 63 above. Possibly also SB 2.1(vii) (para 67 above), and TM 4.4.2(i) which concerned whether the EIA report "has sufficiently defined ... measures necessary to avoid or reduce the adverse environmental impacts to within the applicable standards or criteria".

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The Director/PP did not and cannot perform Stage (I) in this case because the impact of the Project is not known nor presented in the EIA report."48

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With respect, I do not agree that without a stand-alone assessment 95. the Director could not perform Stage (I). It is clear from the TM and SB discussed above that minimization of pollution was clearly required. one may proceed on the basis that there is a sufficient description or analysis of the proposed project, together with mitigation measures, to enable the Director to perform Stage (I). cumulative impacts do not exceed the benchmark.

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As for Stage (II), this does not arise because the

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I also note that despite the large number of comments received 96. from the public there was no suggestion that a stand-alone assessment was Of course, this cannot decide the construction of the TM or SB. But since the TM and SB are to be construed as they would be understood by an expert in the relevant field and in a practical down to earth way, I would be slow to discover from them something which had escaped the attention of the public (which presumably included well established environment concern groups) the Director, and the ACE. Again, I bear in mind that what information may be required by the Director to make an informed decision maybe and often is a question of professional judgment.

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Issues 3, 4, 6 and 7

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The 3rd Issue

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With respect, I am in complete agreement with the judgment and 97. will deal with the point briefly. As the learned judge pointed out in para. 113 of the Judgment:

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Case Summary of the Applicant on Issue I

A		- 34 -	A
В		"113. This issue turns on the construction of SB clauses 3.4.1.4(iv)(a) and 3.4.1.4(iv)(b)" ⁴⁹	В
C	98.	SB clause no. 3.4.1.4(iv)(a) requires the project proponent to:	С
D		"(a) calculate the expected air pollutant concentrations at the identified ASRs based on an assumed reasonably worst-case scenario under normal operating conditions"	D
E			Œ
_	99.	It then goes on to state that "the evaluation shall be based on the	F
F	strength o	of the emission sources identified in sub-section 3.4.1.4(ii)(b)" and	6
G	should be	done in a quantitative manner.	G
н	100.	SB clause no. 3.4.1.4(iv)(b) requires the calculation of "(the) air	н
.		impacts of future road traffic"	I
I	*		J
J	101.	The learned judge concluded that:	J
к		"123 The reasonably worst case scenario referred to in SB clause 3.4.1.4(iv)(a) does not require the identification of another year	K
L		of assessment that may be different to that identified under SB clause 3.4.1.4(iv)(b).	L
M		•••••	M
N		125. I therefore do not consider that the EIA Reports proceed on a misinterpretation and misapplication of SB clauses 3.4.1.4(iv)(a) and 3.4.1.4(iv)(b)."	N
o		TYP's are not I agree	О
	102.	With respect, I agree.	P
P	Iccues 4	: Failure to assess ozone	
Q	155005		Q
R	103.	Ozone was excluded from the EIA report. The Director accepted	R
•	the proj	ect proponent's explanation for not including ozone as a key pollutant in	s
S		reports. Stated briefly, the project itself would not generate O ₃ , indeed	
T	the dire	ct effect of the Project is the reduction of O ₃ in the immediate vicinity of	Т
			U
U	49 Para. 72	2 above.	

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See Confirmed minutes of the 164th meeting of (ACE) held on 12 October 2009 at para. 65.

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Issues 6 and 7⁵¹

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Mr Dykes relied on section 10(2) under which the Director has to 108. consider, amongst others,:

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the attainment and maintenance of an acceptable environmental "(b) quality;

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whether the environmental impact caused or experienced by the (c) designated project is or is likely to be prejudicial to the health or well being of people, flora, fauna or ecosystems;"

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He submitted that sections 10(2)(b) and 10(2)(c) are separate 109. requirements, compliance with one does not by itself means the fulfillment of the other. He submitted compliance with the AQOs is covered by section 10(2)(b), but under section 10(2)(c), mere compliance with AQOs is insufficient. be "injurious to the health or well being of people".

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Presumably, because "an acceptable environmental quality" may nevertheless

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The Applicant's point is that since compliance with the AQOs is 110. covered by section 10(2)(b), the Director must separately consider the issue of public healthy under section 10(2)(c), and that her failure to do so and to insist that PM_{2.5} be separately assessed render her decision to grant the permit Wednesbury unreasonable.

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I have to say the argument strikes me as artificial. What may be 111. "injurious to the health or well being of people" has to be measured against some reasonable standard, and it is difficult to see why the standard of an acceptable environment quality, represented by the AQOs, cannot be regarded Indeed, the very tight time table set by the EIAO, as a reasonable one. this view.

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particularly, at the permit stage under section 10 (see para. 18 above) supports

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See para. 27 above.

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paragraph 1.1(a) stipulating the requirement to meet the AQOs."

A	- 38 -	A
В	I am in full agreement with the reasons given by the learned judge.	В
C	119. Mr Yu submitted that it is unnecessary for us to decide, whether,	C
D	notwithstanding that the AQOs would not be exceeded and EIA report was satisfactory, the Director has a discretion to refuse a permit.	D
E		E
F	sufficient assistance from counsel to decide this point.	F
G	<u>Disposition</u>	G
н	For the above reasons I would allow the Director's appeal and	H
I	made an order nisi that the Applicant pays the Director's costs here and below.	Ι.
J	The Applicant also appeals from Fok JA's order regarding costs	J
K	whereby the Applicant was awarded only one-third of her costs. This is now	K
L	academic. It fails in any event because the order was within the wide discretion of the learned judge. So that appeal is also dismissed with a costs	L
M	order nisi that the Applicant pays the costs of the Director.	M
N	The Applicant's own costs on the Director's appeal and her appeal	N
o	are to be taxed in accordance with Legal Aid Regulations.	O
P	Hon Hartmann JA:	P .
Q	124. I am in full agreement with the comprehensive judgment of Tang	Q
R	VP and do not think that I can usefully add anything to it.	R
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