## APPENDIX B(i) - Applicant drainage checklist

Development			
Location			
Date			
LPA Contact			
EA Contact			
IDB Contact			
LLFA Contact			
General Notes			
	Recommended actions	Notes	<b>√</b>
NA! 41!-		110100	
Managing the ris	sk of flooding (see Chapter 4 ' <i>Guidance on ma</i> <i>l</i> anaging and mitigating risk')	naging flood risk to developments and site selection	on'
	evelopment is at risk of tidal, river flooding or		
	oding. Check the flood maps on the EAs		İ
	PAs SFRAs and SWMPs		İ
Make sure the loc	eation of your development meets the		
	NPPG). Only where there is no other choice,		İ
	et the Exception Test.		İ
	mation is required to be included within your		
	uired. See FRA checklist below for further		İ
details.			<u> </u>
Managing surfac	e water (see Chapter 6 'surface water and sus	stainable drainage systems	
Before you plan yo	our site, consider how you can manage the		
	ter run-off so that it is similar to the conditions		İ
	pment. Also consider the effect this run-off will		İ
have on any recei			İ
Demonstrate in yo	our FRA that you will deal with surface water by		
installing the best	combination of SuDS techniques for your site		İ
(see FRA requirer			
	nce to inform your choice of SUDS design for		
the development.			
Where infiltration t	techniques are not possible, or where space is		İ
the rate or total an	till use features such as green roofs to reduce		İ
	A about the surface water drainage proposals		
	can tell you what consents you will need,		İ
	DS are unsuitable and whether you will have to		
	autions to prevent pollution or reduce		İ
infiltration.			
	our FRA that you will deal with surface water by		
	combination of SuDS techniques for your site.		
	an adequate management and maintenance		
system in place.	s (See Chapter 6 'surface water and sustainab	No drainago avatama'\	
	lopment to at least meet the minimum level of	le dramage systems )	
	ons or Local Planning policies related to water		İ
conservation when			İ
	nd energy-efficient appliances and fittings in		
	such as 'A-rated' washing machines and low		1
or dual-flush toilet	· ·		l
If your developme	ent is large, consider leak-detection, rainwater-		
harvesting or ever	n rainwater re-use systems. Information about		l
	t and maintenance should be provided.		<u> </u>
	tion (See Chapter 7 'Water environment'		
	ewerage company to ensure:		l
	cient sewage treatment capacity for the lifetime		1
of your devel	•		l
l - thorooro	and amonta for acurage discharges to foul	,	1

•	what consents you will need.		
	Please also check with the LPA as to their full Local	Validation requirements	

## APPENDIX B(ii) - Applicant flood risk assessment checklist

FRA requirements	Notes	✓
1. Development Description and Location		
a. What type of development is proposed (e.g., new development,		
an extension to existing development, a change of use etc.) and		
where will it be located.		
b. What is its flood risk vulnerability classification?		
<ul> <li>c. Is the proposed development consistent with the Local Plan for the area? (Seek advice from the LPA if you are unsure about this).</li> </ul>		İ
d. What evidence can be provided that the Sequential Test and		
where necessary the Exception Test has/have been applied in the		İ
selection of this site for this development type?		İ
e. Will your proposal increase overall the number of occupants		
and/or users of the building/land, or the nature or times of		İ
occupation or use, such that it may affect the degree of flood risk		
to these people? (Particularly relevant to minor developments		
(alterations and extensions) and changes of use).		<u> </u>
2. Definition of the Flood Hazard		
<ul><li>a. What sources of flooding could affect the site?</li><li>b. For each identified source in box 2a above, can you describe</li></ul>		
how flooding would occur, with reference to any historic records		
where these are available?		İ
c. What are the existing surface water drainage arrangements for		
the site?		
3. Probability		
a. Which Flood Zone is the site within? (As a first step, check the		
Flood Map for Planning (Rivers and Sea) on the EAs website).		
b. If there is a SFRA covering this site (check with the LPA), does		
this show the same or a different Flood Zone compared with the		Ì
EAs flood map? (If different you should seek advice from the LPA and, if necessary, the EA).		Ì
c. What is the probability of the site flooding, taking account of the		
maps of flood risk from rivers and the sea and from surface water,		
on the EAs website, and the SFRA, and of any further flood risk		Ì
information for the site?		
d. If known, what (approximately) are the existing rates and		
volumes of surface water run-off generated by the site?		<u> </u>
4. Climate Change		
How is flood risk at the site likely to be affected by climate		Ì
change? (The LPAs SFRA should have taken this into account). Further information on climate change and development and flood		
risk is available on the EAs website.		
5. Detailed Development Proposals		
Where appropriate, are you able to demonstrate how land uses		
most sensitive to flood damage have been placed in areas within		İ
the site that are at least risk of flooding (including providing details		İ
of the development layout)?		
6. Flood Risk Management Measures		
How will the site/building be protected from flooding, including the		
potential impacts of climate change, over the development's		
ifetime? 7. Off-site Impacts		<u> </u>
a. How will you ensure that your proposed development and the		
measures to protect your site from flooding will not increase flood		
risk elsewhere?		ĺ
b. How will you prevent run-off from the completed development		
causing an impact elsewhere?		
c. Are there any opportunities offered by the development to		
reduce flood risk elsewhere?		
8. Residual Risks		
a. What flood-related risks will remain after you have implemented		
the measures to protect the site from flooding?		<u> </u>
b. How, and by whom, will these risks be managed over the		
lifetime of the development? (E.g., flood warning and evacuation procedures).		ĺ
procedures).		<u> </u>

Note: A site-specific flood risk assessment (FRA) is required for proposals of 1 hectare or greater in Flood Zone 1; all proposals for new development (including minor development and change of use) in Flood Zones 2 and 3, or in an area within Flood Zone 1 which has critical drainage problems (as notified to the LPA by the EA); and where proposed development or a change of use to a more vulnerable class may be subject to other sources of flooding (NPPF, Footnote 20).

A step by step guide on how to complete a FRA in support of a planning application is set out in Chapter 4.

Note: The above checklist is taken from the National Planning Practice Guidance (NPPG) on Flood Risk and Coastal Change – Site-Specific Flood Risk Assessment: Checklist (http://planningguidance.planninggortal.gov.uk/blog/guidance/flood-risk-and-coastal-change/site-specific-flood-risk-assessment-checklist/).