



Health and Safety
Executive



Environment
Agency

Transition to Phase 2

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Nuclear Site Licensing and Permissioning

Principles

- Deliver rigorous and robust regulation that is open and transparent
- Generic approach wherever possible
- Outcome focused
- Minimise risk to programme
- Effective interactions – common vision, clear expectations, no surprises, co-ordinated plans with applicants, etc (RNIP)

Relationship of New Build Regulation to GDA

- New Build Regulation - before a reactor can be constructed:
 - A Nuclear Site Licence has to be granted to use the site for this purpose by HSE (CI)
 - Subsequently, under the conditions attached to that site licence, Permission (Consent) to start that construction needs to be obtained from HSE (DCI)
 - A final DAC is needed before permission is granted to start nuclear island construction not before granting a nuclear site licence

Relationship of New Build Regulation to GDA

- A final DAC will be used to underpin the regulatory permissions to construct a fleet of reactors identical except for:
 - Any site specific necessary requirements (e.g. different ground conditions)
 - Any operator specific requirements

ND Management of New Build Regulation

- Programme Management for Licensing and Permissioning of New Build
- New Build programme based on three prospective licensees.
- Strategy assumes up to 12 new reactors in operation by 2025 with first by 2018
- Strategy makes use of new ways of working for regulating existing operations.

Nuclear Site Licence

- Nuclear Site Licence needed before construction commences.
- ND expectation is for 'early licensing' to reduce risk, bring programme end date forward where possible, ensure early regulatory oversight of supply arrangements.
- Licensing submission to include; safety management; resources; siting aspects and overall safety of plant (much less than full GDA).
- Generic approach for submissions to be used where possible, licensees arrangements for sites.
- ND arrangements for licensing based on: streamlined, robust, open and transparent process.
- Applicants encouraged to put cases into public domain for public comment (same as GDA).

Three main Workstreams

- Management prospectus
 - Not just safety but environmental and security
 - Board structure, Intelligent Customer, Design Authority, Core Competence
- Licence Condition Arrangements
- Site Specific PCSR
 - Long Lead Items
 - Preliminary Nuclear Safety Related Site Work

Permissioning (Consent under LC)

- Permission needed for placing first nuclear concrete but not before site preparation
- Intention that one permission for all nuclear island construction
- Further permissions needed for commissioning and operation to be agreed with licensee
- Process to follow principles: a generic approach; openness and transparency; de-risk bring forward programme; etc

Interactions

- Organisational alignment within ND
- Regulatory Nuclear Interface Protocol (RNIP) signed with NNB Genco and Horizon.
- Engagement with prospective Licensees
- Agreeing co-ordinated plans with licence applicants and common metrics for programme
- Working arrangements to be based on Openness and Transparency
- Nuclear Directorate engagement with Environment Agency and other contributing parties



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Environmental Permitting

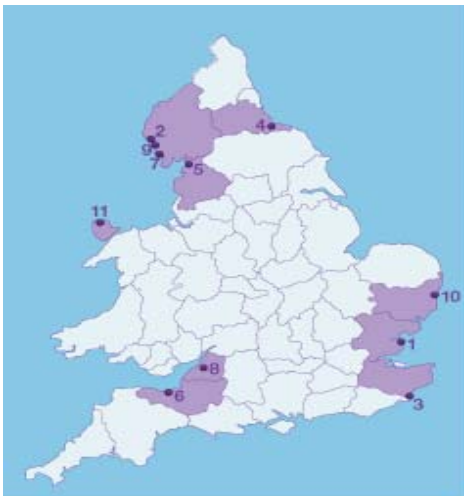
What do we want to achieve?

- High standards – safety, security, waste management & environmental protection;
- Independence, effectiveness and efficiency;
- Openness and transparency;
- Public confidence – in regulators and industry;
- Enabling - UK a good place to invest;
- Clarity and understanding of regulatory requirements;
- One programme – regulators and operator integrated and realistic;
- Regulators joint working, co-ordination and co-operation with operators, shared success.

Regulating new nuclear build

Regulators must consider 3 key elements:

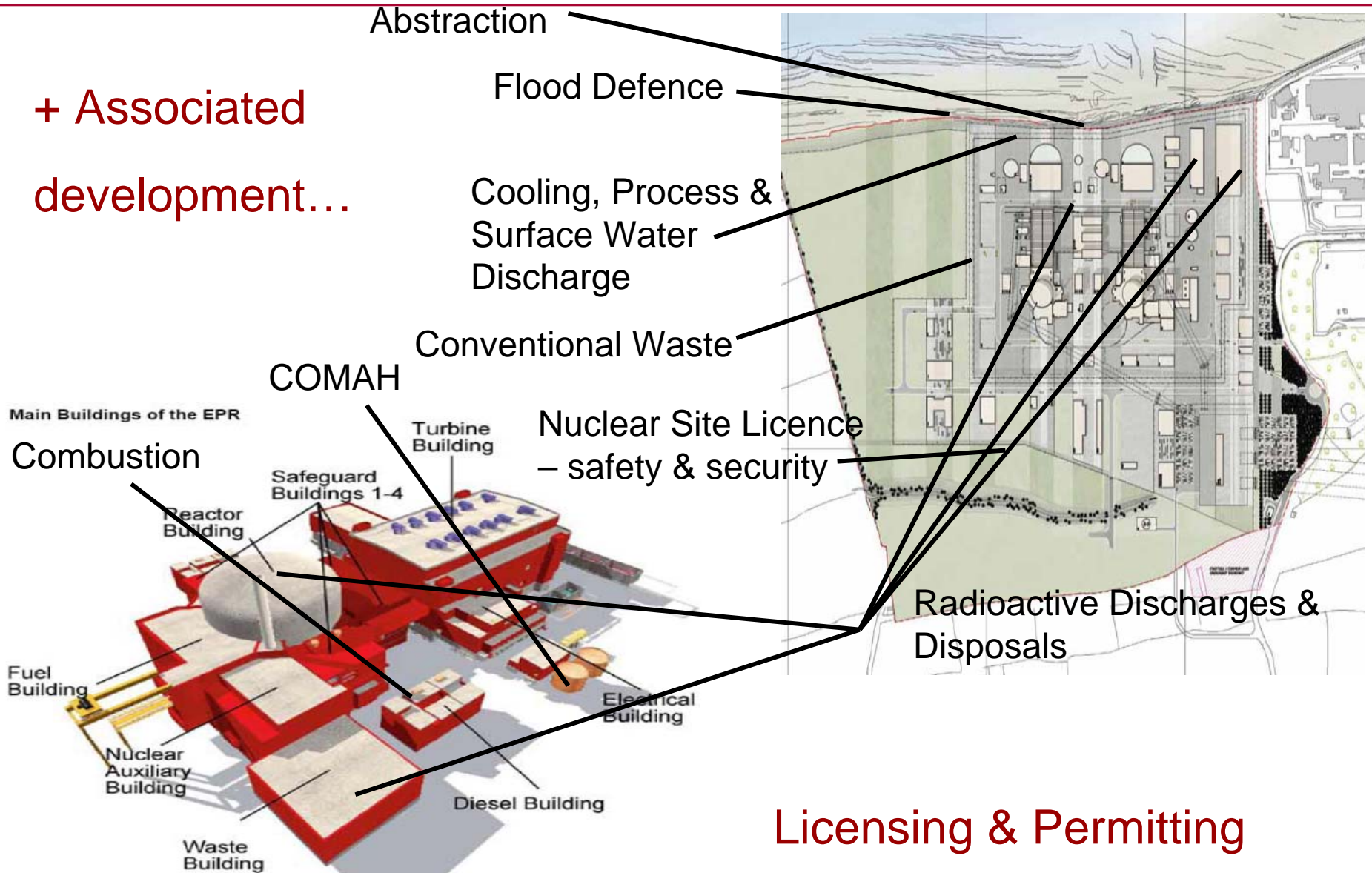
- reactor design acceptability - 'safety, environment and security'
- site
- operating organisation



HORIZON
NUCLEAR POWER



+ Associated
development...



Licensing & Permitting



Health and Safety Executive



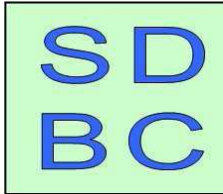
Environment Agency

Who's involved?



County Council

IPC Infrastructure Planning Commission



The power of action.



Llywodraeth Cynulliad Cymru
Welsh Assembly Government

CORFF NODDEDIG | SPONSORED BODY



FOOD STANDARDS AGENCY



marine management organisation



WEST SOMERSET COUNCIL

Department for TRANSPORT



Cynor Cefn Gwlad Cymru
Countryside Council for Wales



IBERDROLA



EDF ENERGY



Department of Health



Department for Environment Food and Rural Affairs



HORIZON NUCLEAR POWER



Communities and Local Government



NATURAL ENGLAND