

The EPA Business need for LEMA

Tom Stafford



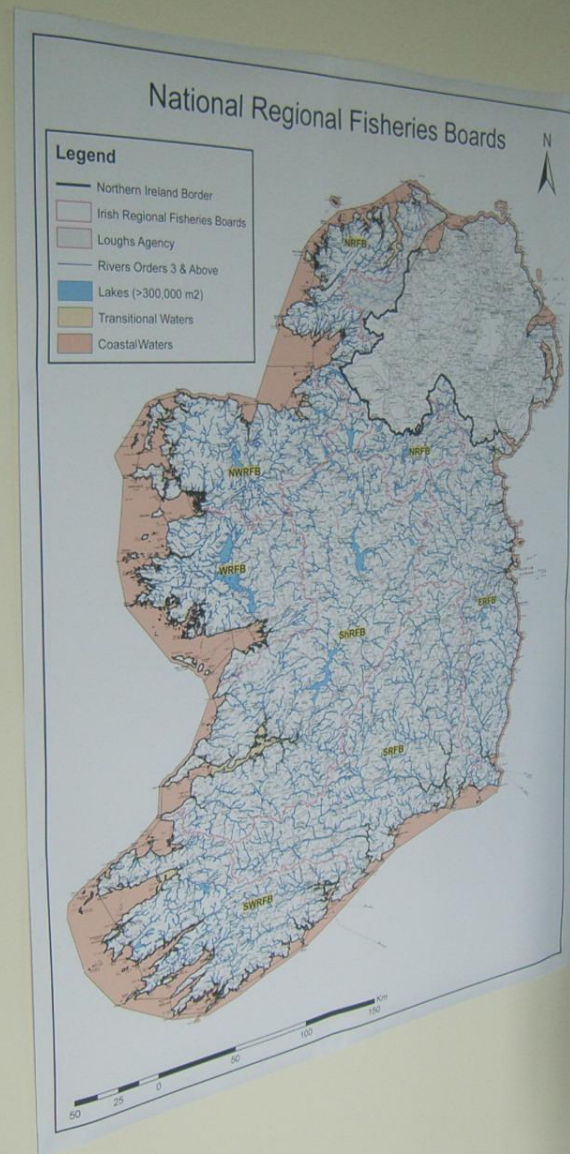


WASTE WATER
DISCHARGE LICENCE
APPLICATIONS



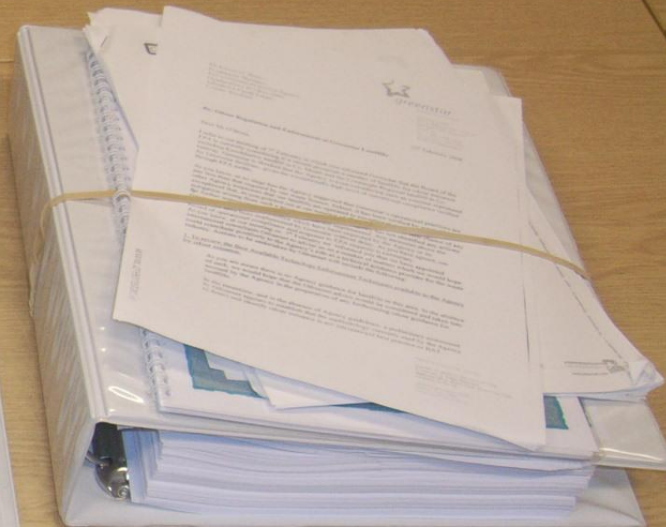
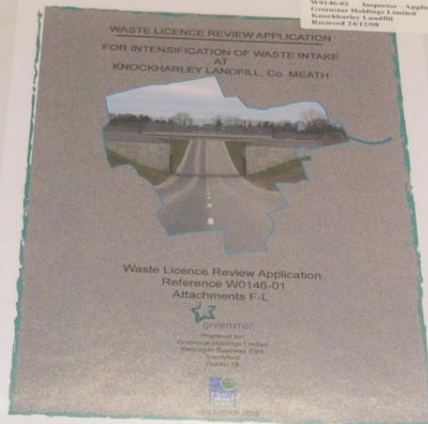
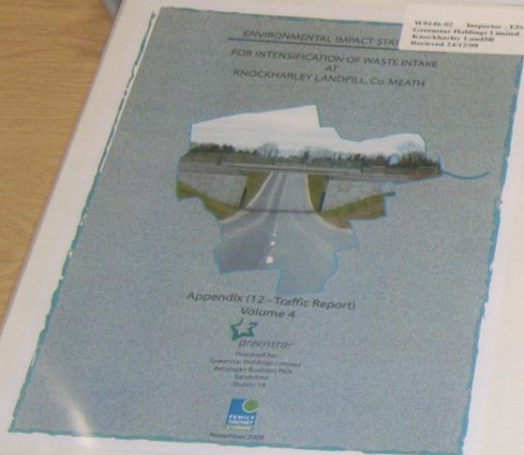
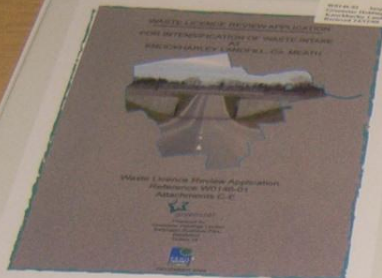












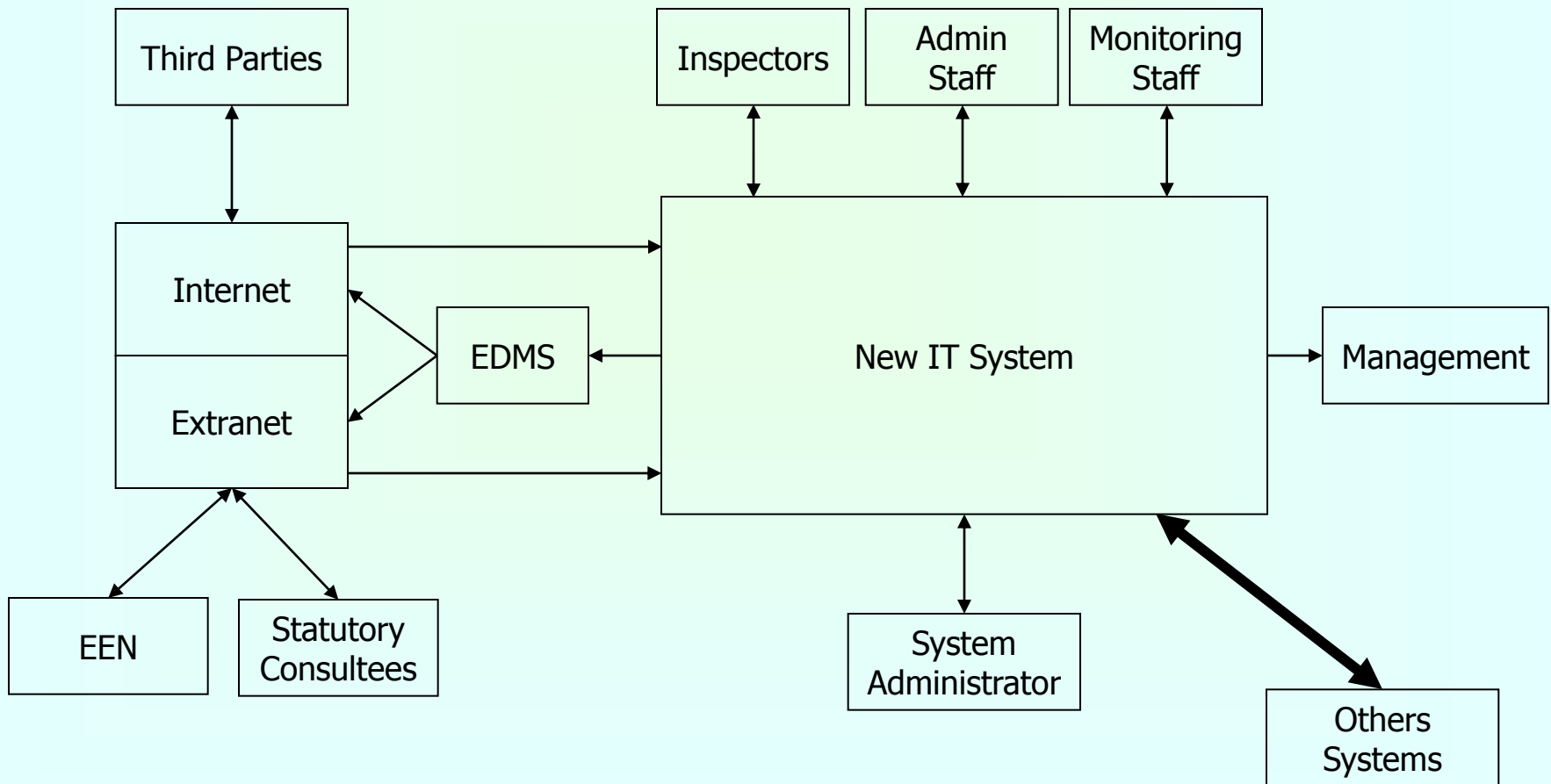




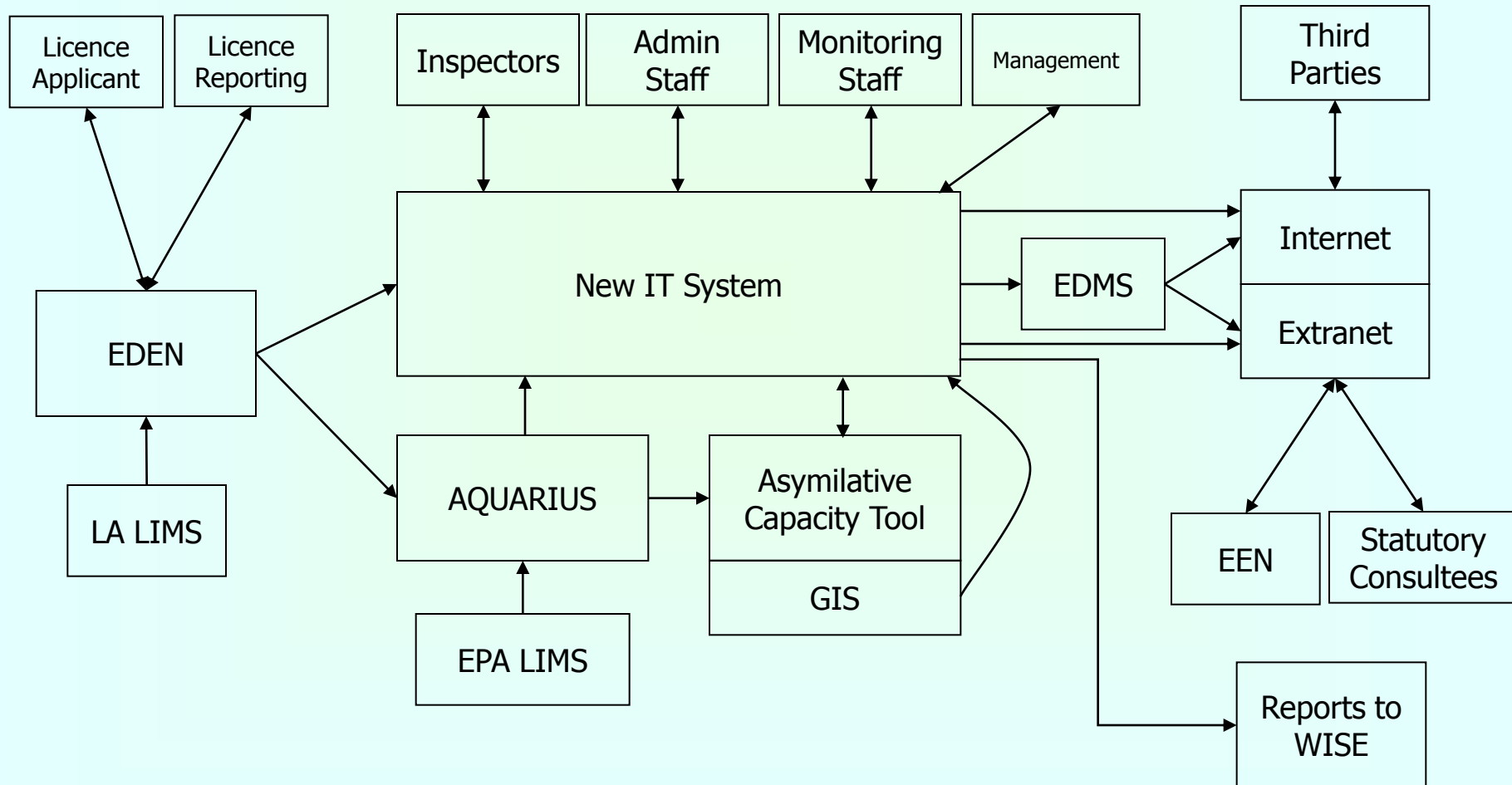
| Source | Document | Date | Size |
|-----------|--|------------|--------|
| Applicant |  Letter from Applicant - Notification of Commencement of Activities | 02/06/2009 | 42Kb |
| Applicant |  Article 14 and Article 11 Reply | 11/12/2008 | 255Kb |
| Applicant |  Application Form | 30/09/2008 | 1685Kb |
| Applicant |  Application Form Attachment B1 | 30/09/2008 | 1168Kb |
| Applicant |  Application Form Attachment B2 | 30/09/2008 | 4834Kb |
| Applicant |  Application Form Attachment B5 | 30/09/2008 | 1206Kb |
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| Applicant |  Application Form Attachment K | 30/09/2008 | 42Kb |
| Applicant |  Application Form Attachment L | 30/09/2008 | 727Kb |
| Applicant |  Application Form Attachments Table of Contents | 30/09/2008 | 26Kb |
| Applicant |  Environmental Impact Statement | 30/09/2008 | 9531Kb |
| Applicant |  Environmental Impact Statement Declaration | 30/09/2008 | 38Kb |



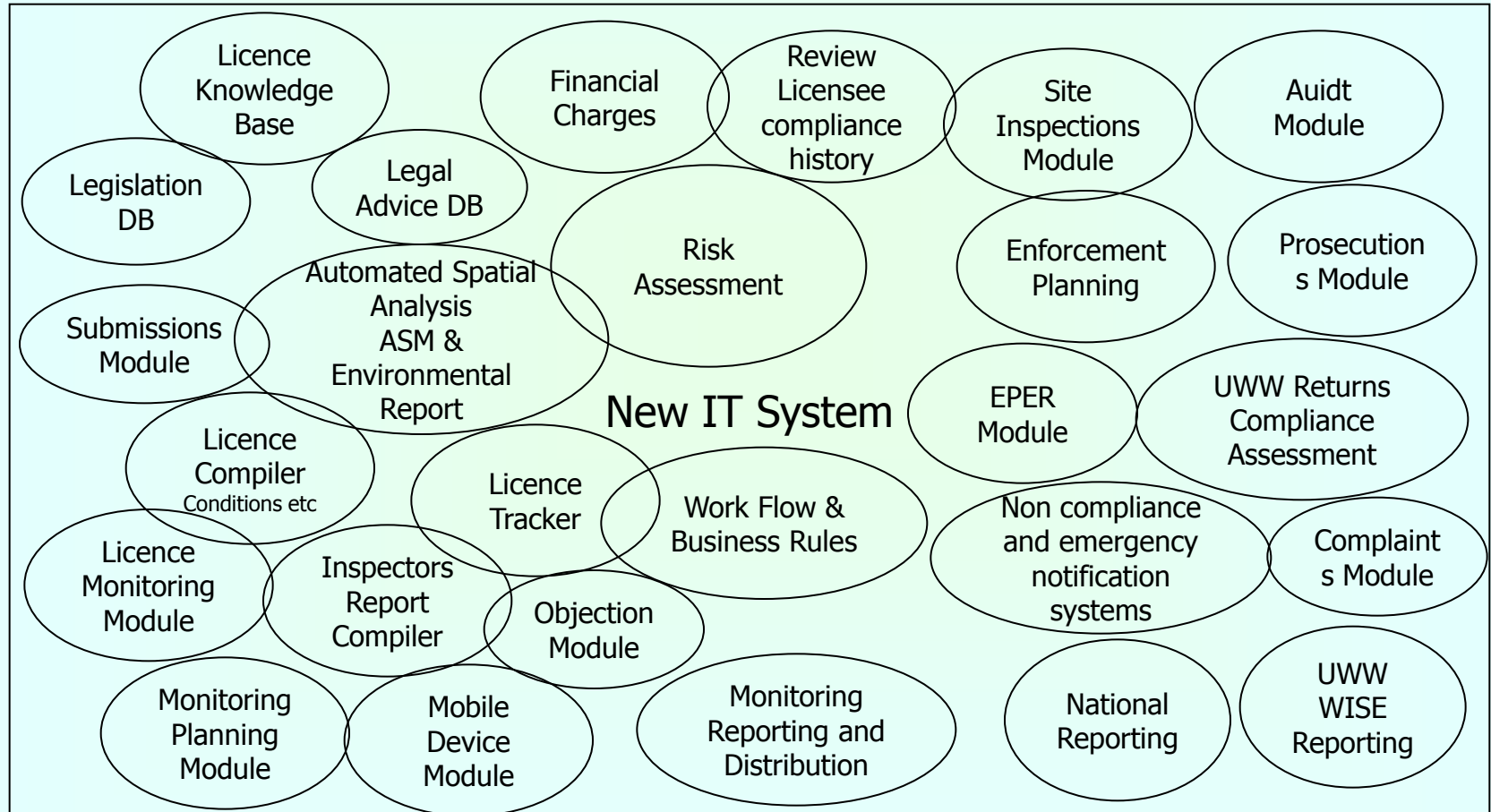
Conceptual Holistic View LEMA



Waste Water



Examples of Functions in the Box!



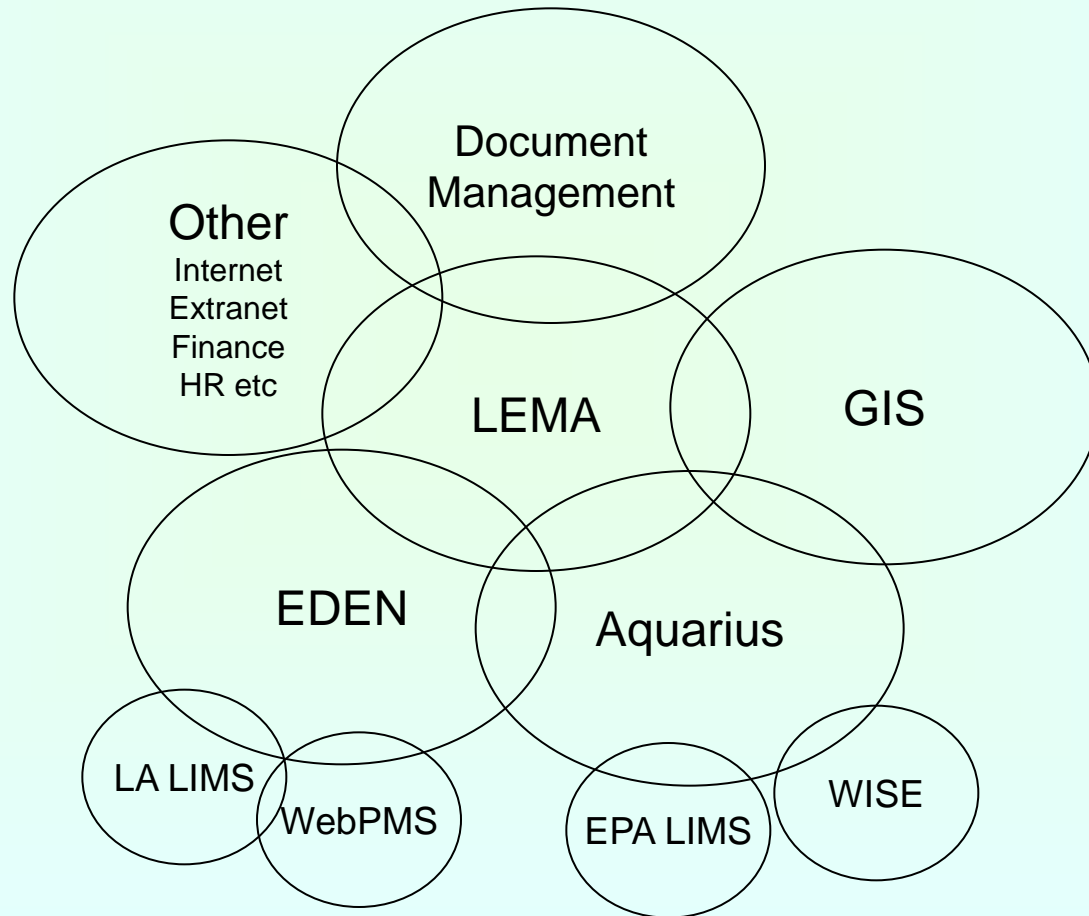
- The overarching objectives of the proposed project are:
 - To meet specific WWD licensing, reporting, monitoring and enforcement demands within the scope of available time, manpower and IT resources.
 - To alter working process and thinking processes within the Agency and
 - To use (and re-use) captured information effectively and effeciently.

- Automate licensing & enforcement administrative functionality (e.g. statutory timestamping);
- Develop workflow for entire process including notifications etc.
- All internal and external actors are users of the system.
- Submission of all content via web forms, which will include automatic validation procedures.
- EDMS/website integration.

- Standard repositories for commonly used terminology e.g. licence conditions.
- Automatic report generation from standard and custom content including license and enforcement inspectors reports, internal management reports etc.
- Determination of ELV compliance by the system and alerts sent to the inspector where non-compliance is an issue.
- Notification of on-site incidents by the facility through the system linked to an alert for the inspector.

- Dynamic risk assessment methodology and scores.
- Tablets interface (e.g. upload of data, download of templates);
- Integration with EDEN and Aquarius
- Inclusion of spatial reference for monitoring and discharge points on the application form (ultimately point and click on a map) with links to the feature-coding tool to apply unique, smart/intelligent codes to monitoring and discharge features.

Systems Overlap



LEMA – Scope

- To develop a new, end-to-end licensing, enforcement, monitoring and reporting application (LEMA).
- To employ contemporary ICT and GIS technologies to enhance the work procedures of Agency staff through the elimination of duplication, reduction of reliance on manual procedures and promotion of strategic practices.
- Phased approach commencing with WWDL. But in time, to cover all ALL aspects of Licensing and Enforcement, along with the Monitoring and Reporting functions for these activities.

LEMA – Not in LEMA Scope

- To resolve all Agency policy and business issues
- To decide the technology path required by the Agency

LEMA – Key Objectives & Benefits

- Modernisation of systems and architecture.
- Elimination of duplication of effort and unnecessary manual procedures.
- To focus upon reducing paper based processes and replacing them with more efficient electronic processes.
- To receive all incoming data & information via the web.
- To allow increased automation of standard tasks and processes including:
 - Electronic notification of site incidents from external licensee (Local authorities in the first phase) systems directly to Enforcement Inspectors.
 - Electronic notification of complaints from external licensees as well as third parties.
 - Electronic notification of ELV non-compliance from OEA monitoring results directly to Enforcement Inspectors.
 - Risk Assessment.
 - Reporting
- An opportunity to develop a greater understanding of the outcomes of Agency work.

Proposed System

