



FlexiCadastre PPALS Petroleum Products Act Licensing System

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PPALS and FlexiCadaastre

- System required to manage and monitor and regulate petroleum products retail, site, manufacturing and wholesale Petroleum licenses
- FlexiCadaastre will be used in implementation of new permitting system.

Implementation Process

- Review of Act, Regulations and business processes for each Jurisdiction and/or Management Unit
- Review of existing data and systems
- Customization of FlexiCadaastre database
- Customization of FlexiCadaastre engine
- Create business rules for required workflows
- Customization of reports and documents
- Mapping and import of legacy data, QC
- Data and system validation
- Training, documentation and support

Review of Legal Framework

- Business analysis of Act performed
 - License linking
 - Maximum process duration
 - Multiple addresses
 - Pre (conversion) and Post-Act licenses co-existing

Review of Existing System

- System review
 - Obtained thorough understanding of existing permitting system
- Data review
 - Obtain full understanding of data in existing system
 - Develop data mapping to import existing records into FlexiCadaastre

Unique features

- Non-expiring licenses
- License linking
 - ONE operating Site license linked to ONE operating Retail license, but can have multiple Retail application pending
- Process suspension
 - Act prescribes maximum duration for DME, yet applicant interaction can extend this.
 - System has to cater for extension or validation period, and only count DME duration.

Data Validation

- In excess of 12000 licenses
- Redundant ownership capture
 - Many variants of ownership
 - E.g., SHELL OIL captured 100's X leading to inevitable errors
- Data cleaning tables established to regularise ownership
- ALL ownership fields treated the same way and cleaned accordingly.

Data Validation cont.

- Data redundancy issues highlighted by SQL import routine
 - Outputs are EXCEL tables
 - DME integrated into data cleaning EXCEL tables.
 - EXCEL tables used in final data cleaning
- Operational Address cleaned by validating against dossier information

Functionality and Issues 1/2

- License Linking
- Point Features
- Application Number / Reference Number / License Code Interchangeability
- License Code by Region / License Type
- Multiple Document Templates
- License Linking



Functionality and Issues 2/2

- Extensive Annual Return Capture
- Process Suspension
- Reference Codes
- Regulation function to actively monitor compliance

Workflows, Business Rules and Actions

- Internal processes determined in initial analysis mapped to FlexiCadastre Workflows
- Workflows developed to model internal business processes
- Spatial Dimension naming convention documented and used.

Documents and Reporting

- FlexiCadastre's existing document generation engine used for documents from system
- Existing reports from Access DB to be translated to Crystal Reports and integrated into FlexiCadastre

System Validation

- New system is currently being 'road tested' by DME staff
- Training being given on new system

System Documentation

- Overview FlexiCadastre document used to describe system
- 'How-To' and Frequently Asked Question used to describe FlexiCadastre Processes
- System is being fully documented
 - Full description of every workflow

System Training

- Training is planned prior to launch for all staff
 - Current training has been ‘hands-on’ user training
 - Full system usability training to be undertaken prior to launch
- Full support to be given during and after system launch

New FlexiCadaastre Functionality Used 1

- Notifications
 - Actions assigned to roles
 - Each license assigned user/role
 - Notifications established to notify responsible user for each license as action is generated by workflow.
- License code copying
 - On application, reference code generated for License Code
 - License Code copied to Application Number
 - On Granting, License Code updated from Action Reference Code

New FlexiCadastre Functionality Used 2

- Complex Action
 - Where multiple processes run in parallel, but need to start simultaneously
 - Demo .../**Print: Application Receipt**
- Licenses captured as point features
 - Demo .../map interface

New FlexiCadastre Functionality Used 3

- **Checkbox actions**
 - Provides ability to captured documentation without using sequential actions
- **Linked Licenses**
 - Retail and Site Licenses are related
 - Application Site / Application Retail
 - Active Site / Application Retail
 - Inactive Site / Inactive Retail
- **Demo**
 - / A/2007/07/26/0001

New FlexiCadastre Functionality Used 4

- Bulk Action Closing
 - License Documents printed in bulk offsite in secure facility
 - Require checking prior to issue
 - Licenses checked individually, then all corresponding actions closed at once
- Demo .../Verify: Printed License Details



Thank You!!

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