



PILOT - the Permit Implementation, Logic, Oversight and Tracking software automates administrative fire protection permitting processes for degraded or off-normal conditions.

PILOT is designed to assist with the initiation, approval, and monitoring of active transient combustible, hot work, barrier breach, and fire protection system impairment permits. The software helps manage the introduction of risk to a plant's fire area by controlling the approval of new permits, monitoring active permits, and providing performance analysis of installed systems.



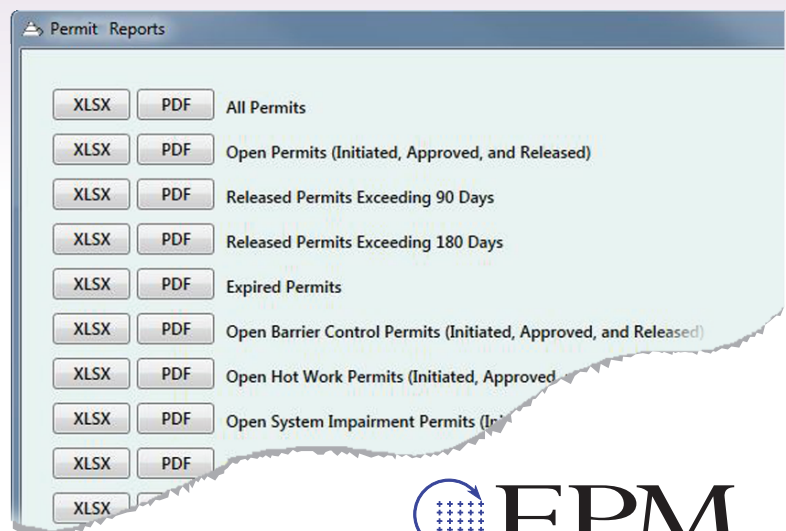
Functions

Requiring minimal data entry of a permit's location, component identification, and expected permit closeout date, PILOT can manage the day-to-day administrative permitting needs of a station. This software has the intelligence to recognize the interaction between systems and alert the approver to potential adverse consequences of permit approval (for example, if a detection system is impaired, then the suppression system may also be affected).

PILOT takes into account the requirements of all stakeholders (NRC, NEIL, and state) that regulate fire protection at a station. The software provides all the necessary information, at the right time, to review and approve a permit request. Among the information provided is the design basis risks associated with the component and location, information regarding other open permits which may affect the permit under review, and the ability to override the approved default prescriptive compensatory measures in efforts to decrease risk to the fire area.

Features

- **Ability for an administrator to quickly develop new components, fire area locations, and compensatory measures**
- **System Monitoring**
- **Automatic reporting in both MS Excel and Adobe Acrobat formats for:**
 - Open permits
 - Permits that exceed 90 and 180 days
 - Expired permits
 - Permits in critical buildings
 - Permits exceeding 180 days
 - Areas that require a fire watch
- **Automatic Email Notification**



Monitoring Dashboard

A monitoring dashboard is provided as a managerial tool to provide oversight of permits active in the field. Reporting features include the number of permits, by type, age, and affected fire area. Each graphical area allows the user to quickly identify the individual active permits and associated information, including the owner and expected closeout date.

Intended Users

PILOT is designed to be used by the Operations, Maintenance, and Engineering departments. Unique user profiles can be developed, allowing advanced approval rights associated with a permit's workflow.



Background

EPM has been providing quality software solutions to the nuclear industry since 1985. EPM understands the challenges that the nuclear industry faces associated with the oversight of day-to-day changes in plant conditions and management of plant risk. These changes may be a result of modifications, maintenance, or aging of structures, systems, or components, from initial design through decommissioning.

PILOT was designed by EPM's Fire Protection and Risk Services division utilizing extensive prior industry experience and understanding of the processes and applicable methodologies used to control the issuance and monitoring of permits and associated plant conditions. As a result, EPM's PILOT application is a state-of-the-art, user-friendly software system that provides the features and data management tools required to support a plant's licensing basis requirements.

For more information on PILOT contact:

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PILOT Version 1.0.0

PILOT DEPLOYMENT:

Server:

Database Management System
Oracle® 10g (or greater)
Operating System - Microsoft® Windows server 2012 or Unix/Solaris
Disk Space - 5 GB (minimum)
Memory - 6 GB (minimum)

Client:

Operating System - Microsoft® Windows 7 (or greater)
Disk Space - 3 GB
Memory - 6 GB (minimum)
Microsoft® .NET Framework 4.5.1