

Note: Refreshment Break and Lunch Break will be scheduled as needed throughout the day according to instruction progress.

GENERAL DISCUSSION

- ⦿ Introduction
- ⦿ Training Agenda – Topic descriptions and overview
- ⦿ Why we do Risk
- ⦿ Software Overview
- ⦿ Final Results Overview – Highlights of what RIPL can do

PIPELINE RISK MODELING APPROACHES

- ⦿ L1 Pipeline Threat Screening
- ⦿ L2 Pipeline Relative Indexing

BASIC NAVIGATION AND CONCEPTS

- ⦿ User Navigation
- ⦿ Nodes
- ⦿ All Component Trees and Presentation Trees
- ⦿ Hierarchy Management
- ⦿ Viewing, Sorting, and Filtering Grid Data
- ⦿ Grid Column Operations
- ⦿ Pop Out Screens
- ⦿ Searches, Selection, and Print Options
- ⦿ Right Clicking options
- ⦿ Exercise
- ⦿ Quiz

METADATA MANAGEMENT

- ⦿ Metadata Set-up
- ⦿ Creating and Editing Input Models
- ⦿ Creating Parent Model and Creating Child Model (Surveys)
- ⦿ Manipulated Columns - Calculated, Rules, Index, Or Index, Aggregation, and Conditional
- ⦿ Managing References - Creating/Editing Reference Schemes, Transformations and Alignment
- ⦿ Model Reports
- ⦿ Quiz

LOADING SOURCE DATA

- ⦿ Data Importing Overview
 - Shared folder on C drive

- Templates and Generic Naming Conventions
- ⊙ Importing
 - Building an Import Template
- ⊙ Mapping the source data
 - Knowing your destination
 - Knowing your source
 - Knowing the referencing
- ⊙ Data Audits and Performance Data
- ⊙ Data Completeness Report
- ⊙ Transforms
- ⊙ Exporting

WEDNESDAY 07/18/2018 - DAY 2

(DOORS OPEN AT 8AM; CLASS TIME 8:30AM – 4PM)

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EVALUATION SETUP AND CONFIGURATION

- ⊙ Sourcing Data
- ⊙ Manipulated Columns - Calculations, Rules, AND Index/ Or Index, Aggregation
- ⊙ Exercise Segmentation
- ⊙ Dynamic Segmentation - Segmentation Methods and Setting up Segmentation
- ⊙ Column Aggregation Setup - Aggregation Types and Rules, and Interpolation
- ⊙ Evaluation Audits
- ⊙ Executing Evaluations
- ⊙ Output Model Tracking Utility
- ⊙ Result Audits and Validation

OTHER MODEL TYPES

- ⊙ Collapse Models
- ⊙ Liquid Volume Release Models
- ⊙ Liquid Pressure Profile Models
- ⊙ Snapshots Models
- ⊙ Boundary Overlay Models
- ⊙ Buffer Models

ADMIN UTILITY

- ⊙ Database Maintenance
- ⊙ Table Indexes
- ⊙ Model Views
- ⊙ Job History
- ⊙ User Preferences
- ⊙ User Permissions

- ⊙ Regional Trees
- ⊙ Component History
- ⊙ Database Upgrade

RESULTS ANALYSIS

- ⊙ Column Comparison Criteria
- ⊙ Linear Graph Tool
- ⊙ Matrix Chart Tool
- ⊙ Aggregation Tool
- ⊙ Analysis through Pivot Tables
- ⊙ Drill-Down Analysis – Index, Rules
- ⊙ Dashboard
- ⊙ Exercise

THURSDAY 07/19/2017 – DAY 3

(DOOR OPENS AT 8AM; CLASS TIME 8:30AM – 12PM)

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SYSTEM ANALYZER

- ⊙ Launching
- ⊙ Basics
- ⊙ Layers
- ⊙ Symbology
- ⊙ Color Coding
- ⊙ Exercise

OTHER MODELS – THE POWER OF THE PLATFORM

- ⊙ Modeling Risk for Tanks and Facilities
- ⊙ MAOP Verification
- ⊙ ILI Program Manager
- ⊙ EFRD Analysis
- ⊙ Quantitative/Probabilistic Modeling

WRAP UP