

## Risk Intelligence Platform (RIPL™) Open Enrollment Training: June 20 – 22, 2017 | Austin, TX


The RIPL open enrollment training course is a cost-effective means to keep integrity staff trained and productive with the latest release of the RIPL software package. The training is ideal for new members of an integrity management team or for those who simply need a refresher course on the power of RIPL.

The course mixes training on the fundamentals of risk assessment, followed by hands-on lab exercises. The course provides practical experience using RIPL to support typical pipeline integrity management activities including:

- Risk Assessment
- Liquid Volume Release calculations
- In-Line Inspection Program Management
- Preventive & Mitigative Measures
- MAOP/MOP Verification.



If you have any questions, please do not hesitate to contact me at:

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## PRICE

The training is priced at **\$1,300 per student**. We'll invoice your company after you attend the training.

Lunch will be provided the day of classes. Other meals and travel expenses are not covered in the training price.

## DATES AND TIMES

This is a three-day course, starting on Tuesday, June 20, 2017 and ending on Thursday, June 22, 2017, from 8 a.m. to 4 p.m.

There will be one-hour lunch breaks and periodic 15-minute refreshment breaks.

## LOCATION

Classroom instruction will be held at the American Innovations Austin office:

American Innovations – Marcellus Meeting Room  
12211 Technology Blvd  
Austin TX 78727  
[Click here](#) for a map.

There are several [nearby hotels](#) to choose from.

## WHAT TO BRING

- ④ Microsoft Windows 7 or higher laptop that can connect to the internet and has remote desktop capability. Students will be given access to a remote desktop instance of RIPL for lab exercises.
- ④ Your attention and focus for learning RIPL software. AI understands that day-to-day responsibilities do not cease during training and will need your help in managing interruptions.

## DAY 1

Note: Refreshment Break and Lunch Break will be scheduled as needed throughout the day per 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
- ⦿ L3 Advanced Risk Modeling

### 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

### 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

### 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
- ⊙ Exporting

## DAY 2

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

### EVALUATION SETUP AND CONFIGURATION

- ⊙ Sourcing Data
- ⊙ Manipulated Columns - Calculations, Rules, AND Index/ Or Index, Aggregation
- ⊙ 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
- ⊙ ILI Unity Plot/CGR

## DAY 3

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

### **SYSTEM ANALYZER LAUNCHING**

- ⊙ Basics
- ⊙ Layers
- ⊙ Symbology
- ⊙ Color Coding

### **OTHER MODELS – THE POWER OF THE PLATFORM**

- ⊙ Modeling Risk for Tanks and Facilities
- ⊙ MAOP Verification
- ⊙ ILI Program Manager
- ⊙ EFRD Analysis
- ⊙ Simple Example and Exercise
- ⊙ AC Interference Threat Assessment