

## **Plumbing and Water Releases Seminar Outline**

*A half day seminar offered at your site or at GAI's Laboratory*

### **Basic Hydraulics**

Fluids  
Pressure & Flow  
Water Properties

### **Water Services**

Municipal  
Wells  
Temperatures & Pressures

### **Premises Plumbing**

Service Lateral  
Service Equipment  
Pipe and Tube  
Joining Methods  
Wastewater Piping  
Water Supply Piping

### **Plumbing Fixtures**

Sinks & Faucets  
Tubs & Showers  
Toilets

### **Failure Modes**

Freeze-Ups  
Joint Failures  
Corrosion & Chemical Attack  
Water Hammer  
Mechanical Malfunctions

### **Witness Interviews**

General Background  
Events of the Water Release  
Product Information

### **Scene Examinations**

Documentation  
Photography  
Systems Testing  
Evidence Collection

### **Laboratory Examinations**

Documentation  
Photography  
Radiography  
Testing  
Disassembly