



## What You Don't Know Could Be Costing You Thousands



The cost of sludge concentration and disposal is one of the largest items in a plant's Operating Budget. Reducing costs is not as simple as limiting polymer to 20 lb./ton. You have to know if adding \$5 more polymer will save you \$6 in disposal cost. How do you get more out of the centrifuge? Is the Polymer system OK? And when that's done, how to balance the costs?

**This course, [Cost Effective Centrifugation](#) will change the way you think about sludge. You will learn how to diagnose and fix problems you have been living with (and paying for) for years**

I can tell you right now, that the training the centrifuge manufacturer gave you when they commissioned the equipment was just enough to operate it, and no more. Operating the dewatering system without understanding it runs up costs. Knowledge is the key to lowering your budget and keeping it low.

Every day I see plants wasting polymer and hauling excess water to the land fill, because no one taught the operators how to optimize the centrifuge and the systems connected to it.

## Cost Effective Centrifugation will enable your operators to *really* understand what's going on inside the centrifuge, and how it will react to change.

This intensive one-day seminar will cover:

### **Water and the Sludge Particle.**

What it is that makes sludge difficult to dewater.

### **The Basics of Centrifuges**

How they work and what is happening inside. Including a simple, practical model for understanding the operation and control of centrifuges.

### **Troubles in the Wet End**

What sort of things going on in the wet end of the plant will impact thickening and dewatering. Small changes can result in big improvements to the dewatering operation.

### **What's the Mystery about Optimization?**

Pond Setting, Bowl speed, and Torque set points; how these can save you thousands of dollars each month!.

### **Understanding Polymers & Polymer Systems**

Is the polymer system working well? Is the polymer reacting properly? Poor polymer make-up results in wasted polymer! You will learn the simple field tests to determine if the problem is with the polymer, the polymer makeup system, the sludge, or the centrifuge.

### **Polymer Contracts & Bidding**

What's the best way to conduct a polymer trial to assure you get the best price?

### **Calculations for Operators**

Common polymer calculations,  
Basic centrifuge calculations: G force, Capture, Power

### **Basin Operations**

The three things the operator should check daily.  
Operator logs and record keeping. Easy ways to measure the vibration level.

### **Maintenance & Repair**

How to deal with repair shops. What to demand from them to minimize getting ripped off. Where to get parts, besides the obvious. How often should you really change the oil? Plus three home built tools to simplify maintenance.



## Centrifuge Schools for 2005

Fort Washington, PA	Monday, March 7
Fredericksburg, VA	Thursday, March 9
Houston, TX	Thursday, April 8
Nashville, TN	Thursday, April 27
Sacramento, CA	Tuesday, June 7
Diamond Bar, CA	Thursday, June 9
Salem, Or	Tuesday, August 2
Renton, WA	Thursday, August 4
Washington, DC	Thursday, November 3



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## CENTRIFUGE SCHOOL REGISTRATION FORM 2005

Name: \_\_\_\_\_ Title \_\_\_\_\_

Employer: \_\_\_\_\_

Street: \_\_\_\_\_

City \_\_\_\_\_ Zip \_\_\_\_\_

Phone: \_\_\_\_\_ E Mail \_\_\_\_\_

Which school will you be attending? \_\_\_\_\_

How many persons? \_\_\_\_\_

Method of payment @ \$350\* each \_\_\_\_\_

We can bill you, or by check

Do you now have a centrifuge? \_\_\_\_\_

Number, make and model \_\_\_\_\_

Feed material? \_\_\_\_\_

Typical performance \_\_\_\_\_

\* We are flexible on arrangements for payment

Do you have particular problems you need help with?

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\_\_\_\_\_  
\_\_\_\_\_

Send to: Peter L LaMontagne  
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Electronic Version is available at:  
<http://www.thecentrifugeguy.com/application%20for%20Training.htm>

**Deadline for applications, two weeks prior to school**