



U.S. Department of Energy  
**Office of River Protection**

0075652

P.O. Box 450, MSIN H6-60  
Richland, Washington 99352

08-ESQ-006

JAN 11 2008

Mr. John C. Fulton, President  
and Chief Executive Officer  
CH2M HILL Hanford Group, Inc.  
2440 Stevens Center Place  
Richland, Washington 99354

**RECEIVED**  
JAN 17 2008  
**EDMC**

Dear Mr. Fulton:

CONTRACT NO. DE-AC27-99RL14047 – SUBMITTAL OF THE U.S. DEPARTMENT OF ENERGY (DOE), OFFICE OF RIVER PROTECTION (ORP) SURVEILLANCE FOR THE 204-AR WASTE UNLOADING STATION

This letter transmits the surveillance for 204-AR Waste Unloading Station. The purpose of the surveillance was to determine if field conditions met the Dangerous Waste Regulations. There were no findings or observations.

If you have any questions, please contact me, or your staff may contact Gae M. Neath, Office of Environmental Safety and Quality, (509) 376-7828.

Sincerely,

William J. Taylor, Assistant Manager  
Office of Environmental Safety and Quality

ESQ:GMN

Attachment

cc w/attach:

S. L. Dahl, Ecology

P. C. Miller, CH2M HILL

**Administrative Record** T-2-3

CH2M HILL Correspondence

Environmental Portal, LMSI

# 204-AR WASTE UNLOADING STATION SURVEILLANCE REPORT



DECEMBER 2007

Office of Environmental Safety and Quality

U.S. Department of Energy  
Office of River Protection  
P.O. Box 450, H6-60  
Richland, Washington 99352

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## 222-S Laboratory Waste Accumulation Areas Surveillance

### **Title of Surveillance:**

204-AR Waste Unloading Station Surveillance.

### **Dates Surveillance Conducted:**

December 17, 2007.

### **Surveillance Team:**

**Field Surveillance:** Gae Neath (Lead), Office of Environmental Safety and Quality; Don Sommer, Support Services; and Brandon Williamson, Facility Representative.

### **Summary of Surveillance Activities:**

This surveillance evaluated field conditions to determine if the 204-AR Waste Unloading Station met Dangerous Waste Regulations. The facility was accessible during the surveillance. The evaluators found field conditions to be in compliance with regulations.

### **Documentation Reviewed for Surveillance::**

- TO-290-011, Operate 204-AR Air Compressor System;
- TO-290-025, Operate 204-AR Air Compressor System;
- TO-290-090, Operate 204-AR Ventilation System; and
- TO-290-170, Perform Scheduled Electrical Power Outage on 204-AR Building.

### **Findings and Observations:**

No findings or observations were identified.

### **ORP Management Debriefed:**

The Division Director of the Environmental Compliance Division was briefed after the surveillance.

### **Surveillance Conformance Summary:**

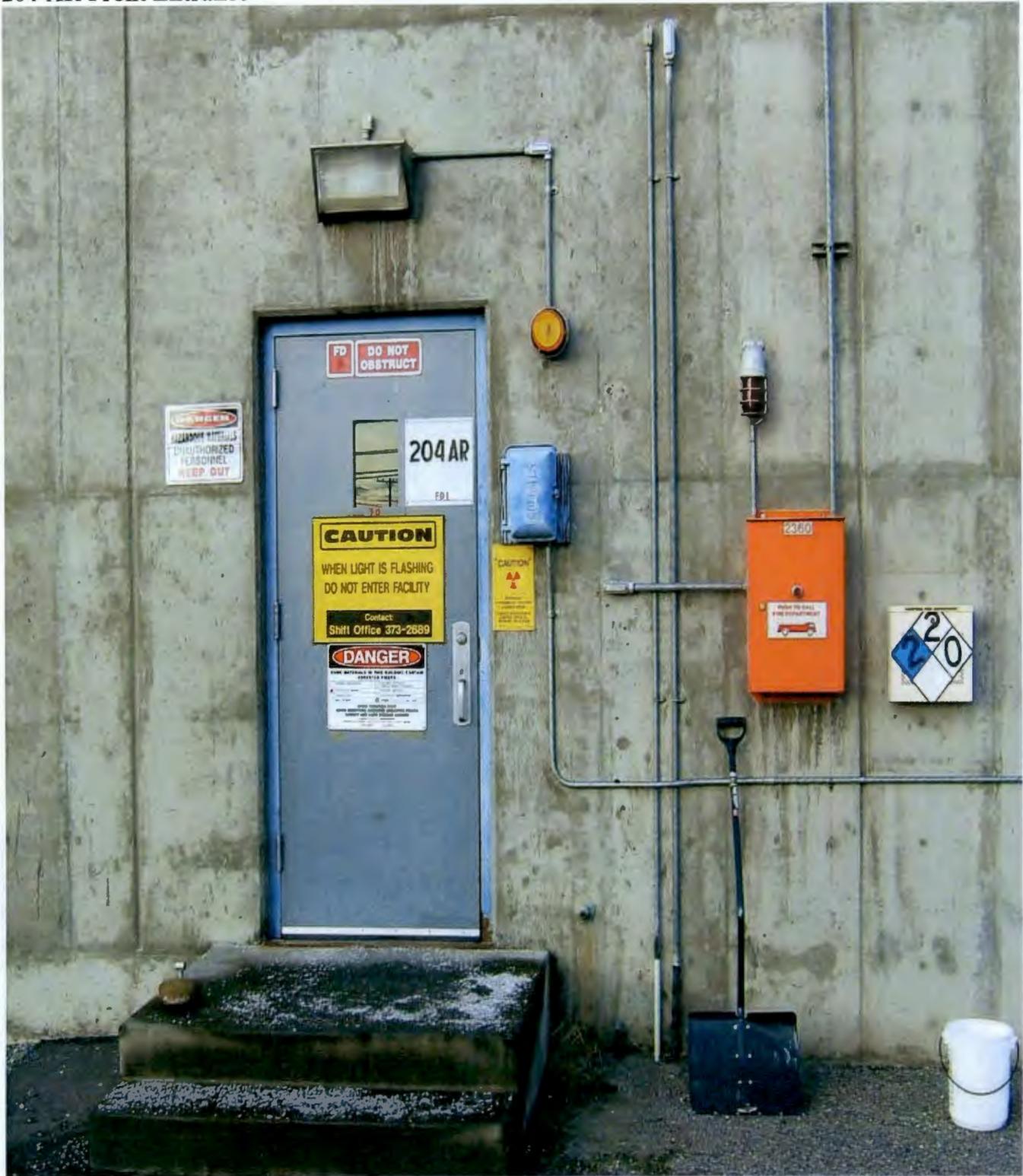
<b>Criteria or Component</b>	<b>Reference (e.g. Permit Condition No. or Document No.)</b>	<b>Requirement (e.g. Permit Condition Description)</b>	<b>Conformance Summary</b>
	WAC 173-303-280(6)(c)	Prevent people who are unaware of the danger from entering, and minimize the possibility for unauthorized people to enter onto the active	The building was secure and warning signs were visible and legible (see Figures 1-5).

Surveillance for the 204-AR Waste Unloading Station

Criteria or Component	Reference (e.g. Permit Condition No. or Document No.)	Requirement (e.g. Permit Condition Description)	Conformance Summary
Dangerous Waste Management Facilities		portion of the remediation waste management site.	
	WAC 173-303-280(6)(d)	Inspect the remediation waste management site for malfunctions, deterioration, and discharges that may lead to a release of dangerous constituents to the environment or a threat to human health.	Inspections are done twice a day. Tank monitors are working properly. No visible damage or leaks found (see Figures 6-8).
		Inspections must be conducted often enough to identify problems in time to correct them before they harm human health or the environment.	The facility is inspected twice a day, 7 days a week, during the Day Shift Rounds and Night Shift Rounds.
		Problems must be remedied before they lead to a human health or environmental threat.	Leak Detected Catch Tank Sump annunciator is monitored at the 242-A Evaporator control room (see Figure 9).
		Where a hazard is imminent or has already occurred, remedial action must be taken immediately.	Spill control kit available onsite.
	WAC 173-303-280(6)(k)	Maintain records documenting compliance.	Randomly selected 204-AR Day Shift Rounds and Night Shift Rounds were well maintained.

Appendix A - Surveillance Photos

Figure 1  
204-AR Front Entrance



Appendix A (continued)

Figure 2  
Railcar entrance of 204-AR



Appendix A (continued)

Figure 3  
Back Door at 204-AR



Surveillance for the 204-AR Waste Unloading Station

Appendix A (continued)

Figure 4  
Exterior Double-Door at 204-AR



Appendix A (continued)

Figure 5  
Exterior Door at 204-AR



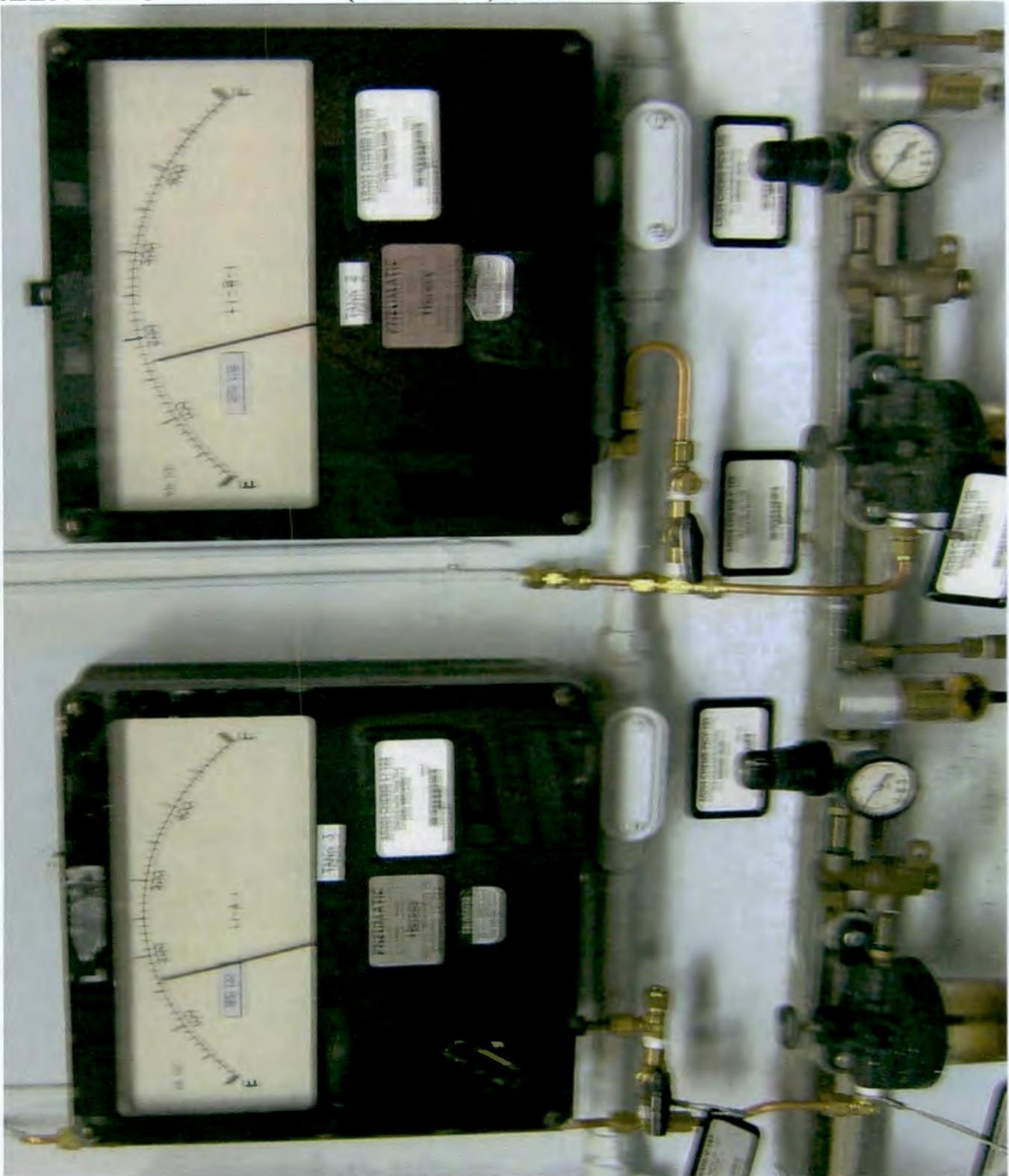
Appendix A (continued)

Figure 6  
AR204-CHEMB-LI-102 and -103 (Tank 2 and 3)



Appendix A (continued)

Figure 7  
AR204-CHEMB-LI-102 and -103 (Tank 2 and 3) Monitor



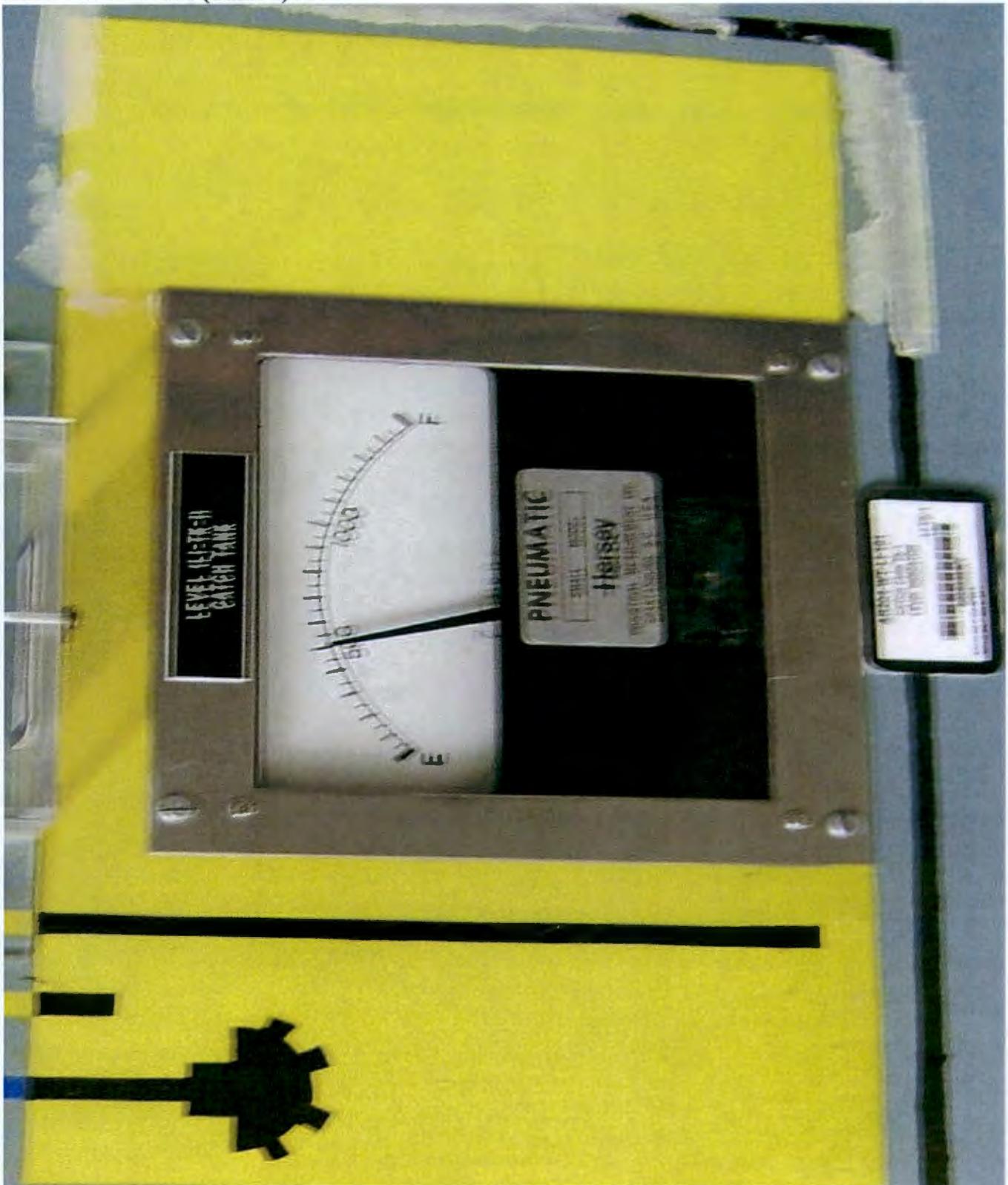
Appendix A (continued)

Figure 8  
204-AR Control Room Panel



Appendix A (continued)

Figure 9  
AR204-WT-LI-101 (Tank 1) Monitor



Surveillance for the 204-AR Waste Unloading Station

Signature



Gae M. Neath  
Surveillance Team Lead

01/07/2008

Date