ROY F. WESTON, INC.

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Maintenance and Monitoring Plan for
PCB Contamination in the
Heat Treat Building

The Gleason Works
Rochester, New York

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The Gleason Works
Rochester, New York

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Rochester, New York

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1.0 Introduction

The Heat Treat Building at The Gleason Works in Rochester, New York houses a metal treating process wherein metal is heated to approximately 1,500 °F and is subsequently quenched in an oil bath. In 1991, PCBs were discovered in TCE still bottoms. The New York State Department of Environmental Conservation (NYSDEC) and U.S. Environmental Protection Agency (EPA) Office of Toxic Substances were immediately notified of this finding. The Gleason Works retained the services of an environmental consultant to conduct an investigation into the source and extent of PCB contamination in the building, and to develop a remediation strategy to remove the PCBs.

The source of PCB contamination on building surfaces was determined to be quench oil used in the heat treat process. A three dimensional sampling program conducted throughout the building indicated PCBs were present on building and equipment surfaces, in the ventilation system, and in roof materials. A cleanup plan focusing on decontamination of these areas was developed, and was submitted to the EPA in 1991.

The cleaning tasks were divided into two phases, and in 1992, an environmental cleanup contractor began cleaning building surfaces and completed these activities in 1992. During Phase I, PCB contaminated oil in equipment reservoirs was removed and incinerated. The reservoirs were wiped down after flushing with clean oil. The new batch of oil placed into the reservoirs became contaminated when residual PCB leached from scale and sludge in the equipment and piping. This oil was removed from the system and stored on-site in a temporary tank until Phase II decontamination activities were completed. Subsequently, a Phase IA project was undertaken to further remove residual sludges in oil reservoirs, equipment, and tanks. After completion of Phase IA (and Phase II), the stored oil was returned to the quenching system following treatment. The treatment consisted of a dechlorination process designed to reduce the concentration of PCBs, thus allowing continued use of the new oil.

Phase II activities were associated with cleanup of interior building surfaces including, ceilings, walls, building structural elements, equipment, the Hartman Stacker, the Andco treatment system, trolley hoists, and fans within the Heat Treat Building and basement. A combination of foaming agents, degreasers, and Citrikleen solvent were applied to contaminated surfaces, followed by scrubbing and powerwashing. Manual wiping was performed where damage from powerwashing could be anticipated. Floors were shotblasted and resurfaced with a epoxy floor clad material. PCBs that were found to have penetrated greater than 0.25 inches into the concrete floors were encapsulated beneath the epoxy floor sealer.

Decontamination efforts focused on achieving EPA's health-based cleanup standard of 10 ug/100 cm^2 for frequently contacted surfaces. The nonuniform distribution of PCB contamination on various surfaces at The Gleason Works required a repetitive sequence of decontamination followed by verification sampling for PCBs to assure EPA's health-based cleanup standards were

achieved. While most areas were successfully cleaned, some residual PCB contamination remains at the facility. These areas are documented in this report.

1.1 Purpose

The results of verification sampling for PCBs indicated EPA's health-based cleanup standards were met on all building and mechanical equipment surfaces with the exception of confined areas where PCB removal was not practical due to inaccessibility. This monitoring plan identifies these areas and outlines institutional protective measures to prevent employee contact with PCBs in these areas. This plan also includes monitoring guidelines to prevent and detect recontamination of cleaned areas. The guidelines contained in this plan are intended to supplement maintenance and waste management practices until the Heat Treat Building and any PCB contaminated equipment within are decommissioned. Results of verification samples collected after cleanup are illustrated for reference to contaminated and PCB free areas of the building. PCB management controls are also outlined in the plan.

2.0 PCB Cleanup Standards

Universally accepted cleanup standards do not exist for PCB cleanup on building and equipment surfaces. EPA published their PCB Spill Cleanup Policy under the Toxic Substance Control Act (TSCA) in 1987. The principal focus of the policy is cleaning up routine surface spills from transformers and capacitors. The policy does not address such problems as porous surfaces or concrete penetration. However, numerous building and equipment decontamination projects have been conducted over the years, and there is a significant list of precedents from which to draw when establishing cleanup standards. For the purposes of cleanup of PCBs on equipment and building surfaces in the Heat Treat Building, potentially applicable cleanup standards were drawn from EPA's PCB Spill Cleanup Policy §40 CFR Part 761.125, and are used in this report to define cleanup levels that EPA will probably consider appropriate levels for cleanup. These cleanup levels are shown in Table 1.

Table 1
Target PCB Cleanup Standards

Media/Location	Level/Range	Source
Surface		
• Public Access/Contact	10 ug/100 cm^2	EPA[1]
• Secure Industrial	10 ug/100 cm^2	EPA[1]
• Restricted Access	100 ug/100 cm^2	EPA[1]
Air	1.0 ug/m^3	NIOSH[2]
Soil/Solids		
• Exposed	10 ppm	EPA[1]
Metal Parts/Equipment		
• Contact Surfaces	10 ug/100 cm^2	EPA[1]
• As Scrap	10 ug/100 cm^2	EPA[1]

[1] 40 CFR Part 761.125, Spill Cleanup Policy.

[2] NIOSH, Occupational Exposure to Polychlorinated Biphenyls (PCBs), U.S. Department of Health Education and Welfare, September 1977.

2.1 Verification Sampling and Analysis

In the course of building decontamination activities, samples were collected to verify the effectiveness of cleaning procedures with respect to EPA's cleanup standards outlined in Table 1. The samples were collected on a daily basis as decontamination efforts progressed. The samples were analyzed using a modified EPA Method 8080 from SW-846 for PCB analysis.

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The sample matrices included:

- Wipes from building and equipment surfaces.
- Sediment samples from sumps.
- Oil samples from the quenching system.

As decontamination procedures were completed, samples from building surfaces were collected using a hexagonal grid pattern according to guidelines established by EPA in their Field Manual For Grid Sampling Of PCB Spill Sites To Verify Cleanup to demonstrate that appropriate cleanup standards were met. A 37 point hexagonal grid pattern was established for each of the building walls, floors, and ceilings on the main floor and basement. This data is illustrated in Figures 1 and 2. Selective sampling was also performed on each piece of equipment and other building features focusing on areas of employee contact and surfaces previously in contact with PCBs. The results of this verification testing are presented in Figures 1 and 2, and Appendix A.

Some areas of the building contain equipment and building structures exhibiting PCB concentrations in excess of the target cleanup standard identified in Table 1. Removal of PCBs from these areas was impractical due to their location in confined areas and from items that are structural elements of the building (i.e. floors and columns). These areas are identified in Table 2 below:

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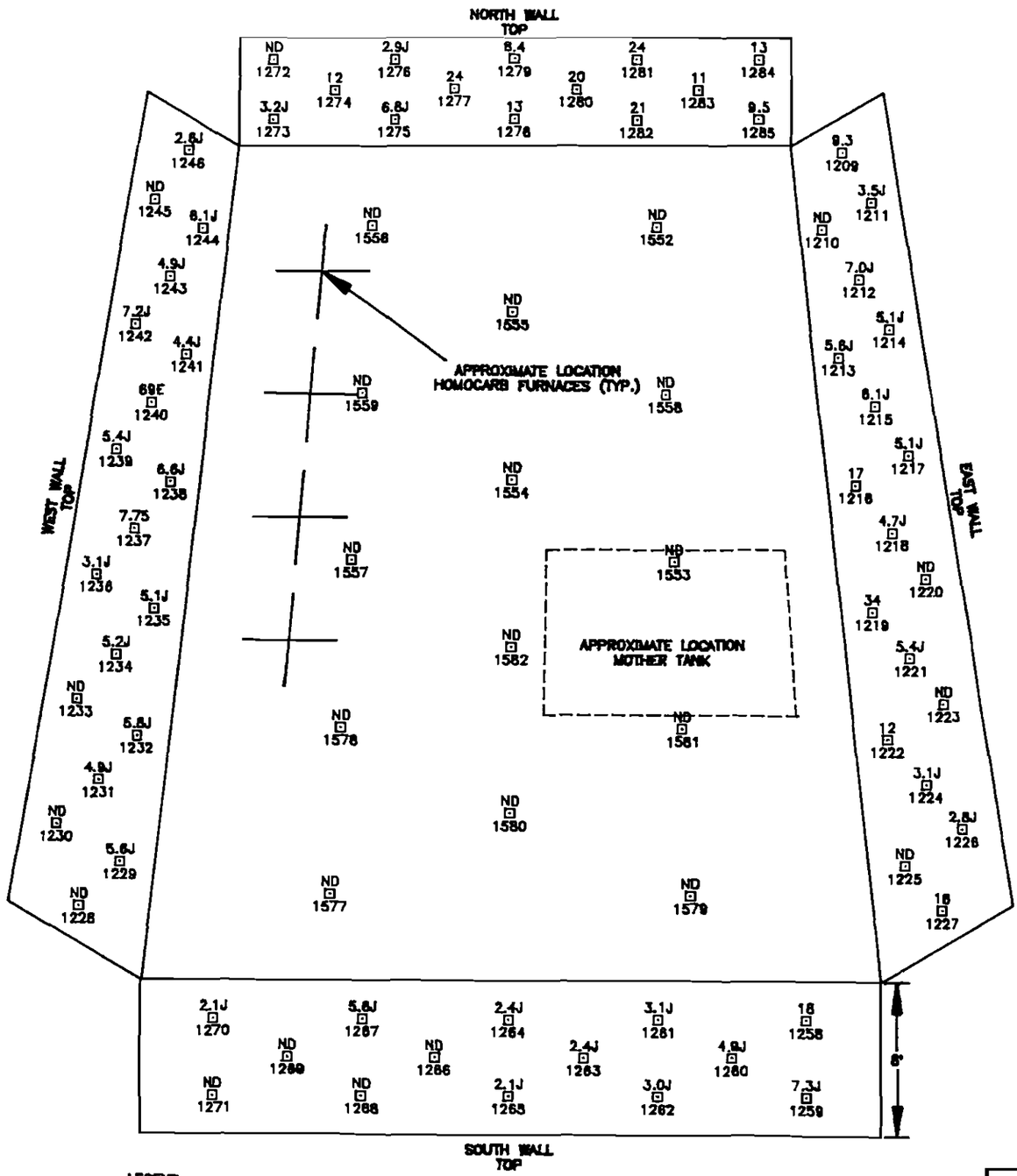
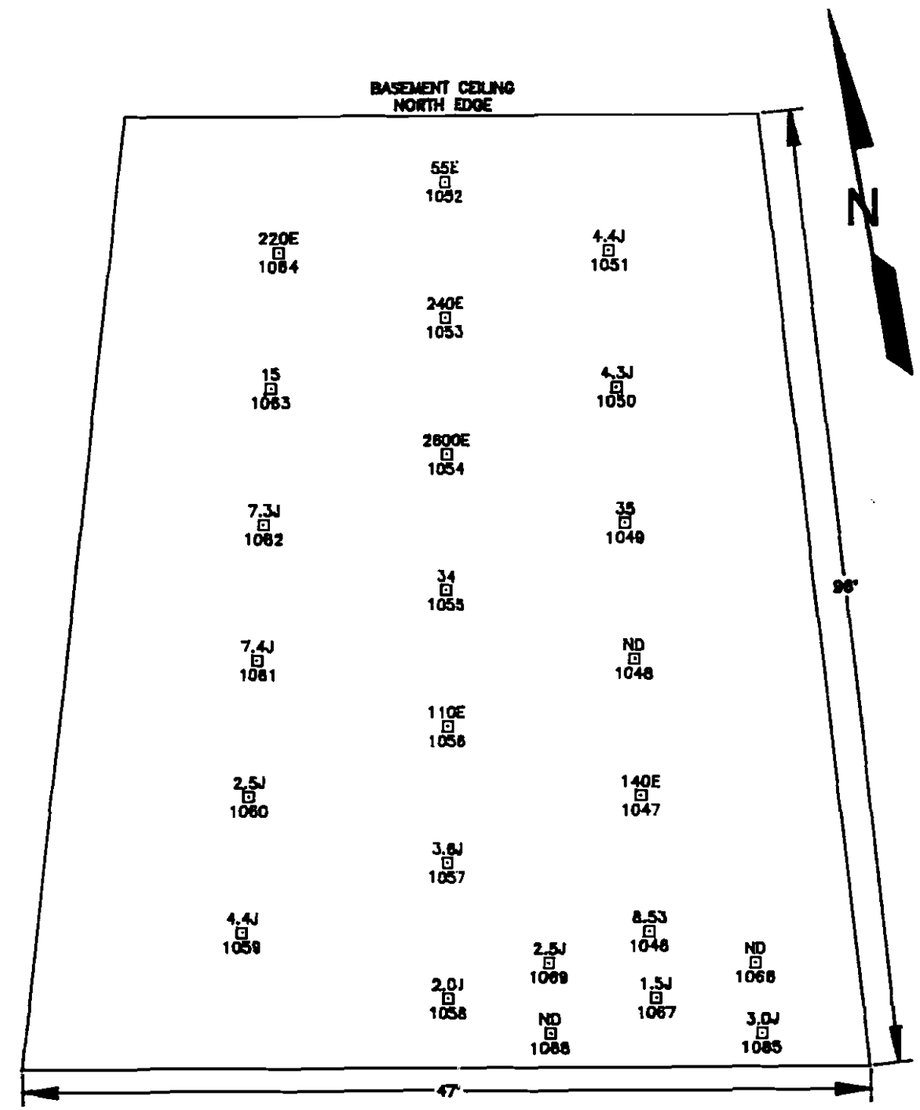
Table 2
Areas Exhibiting Elevated Levels of PCBs After Cleanup

Location	Final PCB Concentration (ug/100cm^2)
Main Floor	
Crane #2	23
Steel Plate south of plating line #1	17
Steel Plate south of plating line #4	34
Steel Plate south of plating line #7	48E
Main Floor Concrete and Trenches	1,100 (max)
Basement	
Basement Ceiling	2,00E (max)
Basement Floor Concrete	1,100 (max)
Basement North Wall	24 (max)
Basement South Wall	18
Basement East Wall	34 (max)
Basement West Wall	69E
Red oil pump in heat treat basement	600E (max)
Basement, mother quench tank one foot from horizontal	29
Basement floor 2nd rm SW of Heat Treat	270 (max)
Roof Vents	190 (max)





DRAWING NOT TO SCALE

LEGEND

50J / 1200 – TOTAL PCB AROCHLORS AS ug/100 cm^2
J – ESTIMATED QUANTITY BELOW DETECTION LIMITS
E – PRESENT EXCEEDING DETECTION LIMITS
ND – NON-DETECT

FIGURE 1
BASEMENT PCB WIPE-SAMPLE LOCATIONS FOR CLEANUP VERIFICATION
HEAT TREAT BUILDING -- THE GLEASON WORKS

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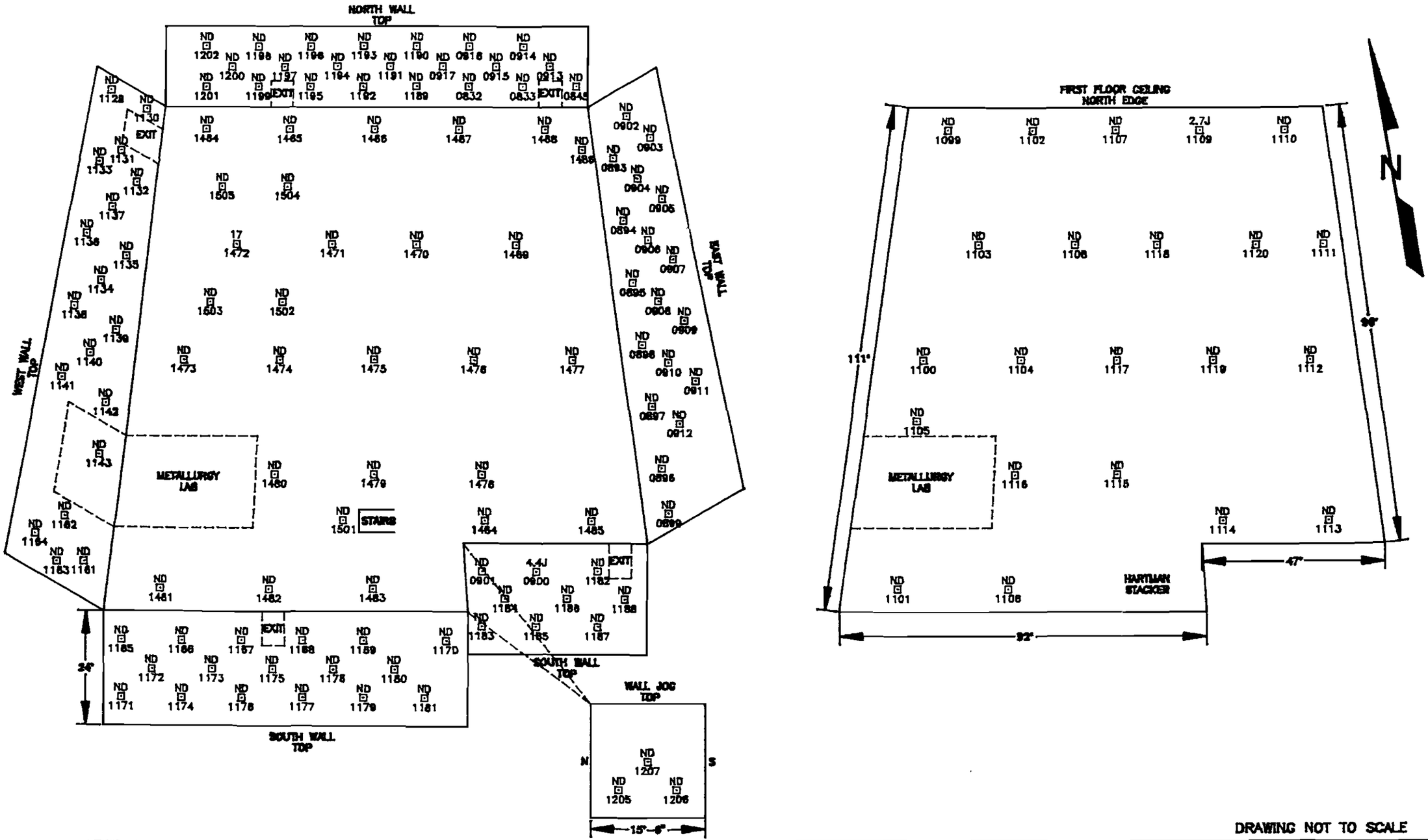

DRAWING NOT TO SCALE

LEGEND

50J	– TOTAL PCB AROCHLORS AS ug/100 cm²
1200	– SAMPLE ID NUMBER
J	– ESTIMATED QUANTITY BELOW DETECTION LIMITS
E	– PRESENT EXCEEDING DETECTION LIMITS
ND	– NON–DETECT

FIGURE 2
FIRST FLOOR PCB WIPE–SAMPLE LOCATIONS FOR CLEANUP VERIFICATION
HEAT TREAT BUILDING – THE GLEASON WORKS

WESTON

DRAWN BY: WMF | DATE: 10/23/92

3.0 Post Cleanup Monitoring

Post cleanup monitoring guidelines outlined in the following sections have been established to prevent employee exposure to PCBs remaining in inaccessible areas of the building, and to prevent recontamination of cleaned areas. The monitoring will provide a basis to determine the frequency of janitorial cleaning and control measures for plant reconstruction activities that may occur in the future. The monitoring consists of periodic analysis for PCBs in the air, oil, wastewater, and on building surfaces. The plan should be implemented when the facility returns to full production. Specific sampling methods and procedures are outlined in Table 3.

3.1 Air

Monitoring should be performed on a periodic basis to assay airborne PCBs in the ambient air, ventilation, and exhaust systems. The monitoring should include periodic low volume stationary sampling (area samples) from the ambient air and ventilation systems. The sample methods, collection media, sample locations, sample frequency, equipment, and action criteria are outlined in Table 3.

3.1.1 Sample Collection

Samples should be collected over the duration of each 8 hour shift at the locations outlined in Table 3 and other locations likely to accumulate fumes, dust or mist containing PCBs. The low volume air samples should be collected monthly for the first year of operations, quarterly for the second, and semi-annually until PCBs are no longer detected

3.1.2 Action Criteria

When PCBs are detected in a stationary air sample, followup personal air samples should be collected from personnel working in that area. The personal samples should be collected on an 8 hour time-weighted-average basis using personal sampling apparatus attached to an individual for the entire shift. These samples should be collected daily for one week, or, if personal samples show PCB concentrations above the detection limit, until the PCB levels return below detection limits for three consecutive days. If the personal samples indicate PCB concentrations are equal to or greater than 1/2 NIOSH's guideline for PCBs (0.5 ug/m^3), a medical monitoring program should be initiated for all personnel working in the area where the air sample was collected.

3.2 Oil Testing

In 1992, the quench oil was treated by a dechlorination process that reduced the concentration

of PCBs to less than 2 ppm. Residual PCB concentrations may reappear in the quench oil over time as leaching from scale and sludge occurs. The oil should be periodically tested to assure that PCBs do not increase to levels such that they are reintroduced to the work area, and to determine when actions must be taken to reduce the PCB concentration. Oil samples should be collected from each of the flat presses, the mother tank, the rotary furnace pans and quench tanks where oil circulates and PCBs may accumulate in sludge.

3.2.1 Collection and Action Criteria

Samples should be collected monthly for the first year of operations following reintroduction of the treated oil. This testing frequency will provide a means of assessing whether PCB levels in the oil are increasing due to PCBs in sludge and mill scale. Thereafter, sampling should be performed at least three months after the most recent treatment or replacement of the oil. In the event the PCB concentration is found to exceed 50 ppm in the oil, the system should be cleaned within six months to reduce the PCB concentration below 50 ppm. Followup sampling should be performed three months after fluid refilling. If the PCB concentration remains below 50 ppm after 3 months, testing is no longer required. Data obtained from this test should be retained for five years.

3.3 Wipe Samples

Wipe samples should be collected to measure PCB concentrations on building and equipment surfaces with which employees are most likely to come in contact.

3.3.1 Sample Locations

Wipe samples should be collected from any oil stained location where PCB contaminated oil has been spilled to verify that proper cleanup standards are met. The wipe samples should be collected to verify cleanup of oil spills or drips. Wipe samples should also be collected from frequently contacted equipment and building surfaces (e.g. control panels, handles, rails).

In the event of a spill, a visual determination of the spill boundaries can be used to delineate the extent of contamination and to determine verification sampling locations. If a visual determination cannot be made, samples should be collected along a grid pattern using methods described in EPA's Field Manual For Grid Sampling Of PCB Spill Sites To Verify Cleanup.

3.3.2 Sample Frequency

In addition to wipe samples collected from PCB spill cleanups, periodic wipe samples should be collected from building and equipment surfaces. These samples should be collected from

selected locations on a monthly basis for the first year of operations, quarterly for the second year, semiannually thereafter until PCBs are no longer detected. If analytical results of the monthly sampling indicate that PCB concentrations are increasing, the source should be investigated, removed, and monitoring should be continued until PCBs are reduced to 10 ug/100 cm^2.

3.3.3 Action Criteria

For the purpose of future spill cleanup in the Heat Treat Building, EPA's health based cleanup standard of 10 ug/100 cm^2 should be used. After delineating the extent of areas exceeding this standard using visual evidence or additional wipe samples, cleaning procedures outlined in Section 5 should be implemented until this standard is achieved.

3.4 Wastewater Samples

Wastewater and sediment samples should be collected periodically to document that PCBs are not leaving the building through the floor drains or other points of discharge.

3.4.1 Sample Locations

Water and sediment samples should be collected from the basement sump and catch basins receiving stormwater from the roof drains. Water samples from the catch basins should be collected during rain events.

3.4.2 Sample Frequency

Water samples should be collected on a quarterly basis for the first year of operations (subject to weather conditions), and semiannually thereafter until PCBs are no longer detected. If analytical results of the sampling indicate that PCB concentrations are increasing, the source should be investigated, removed, and sampling should be continued until PCBs are no longer detected.

3.4.3 Action Criteria

Water samples exhibiting PCB concentrations greater than 0.065 ug/l should be treated to reduce the concentration of PCBs below this level until sources are identified and removed.

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Table 3
Post Cleanup Monitoring Guidelines for PCBs

Sample Type	Analytical Method	Analysis	Detection Limit *	Sampling Media	Equipment Flow Rate	Sampling Frequency/Duration	Sample Locations	Action Level
Air	NIOSH 5503	GC	0.03 ug	FF/FT in-line	SKC personal pump 0.05-0.2 L/min	Monthly (first year) (8hr TWA) Quarterly (second year) (8hr TWA) Summer/Winter (third year +) (8hr TWA)	Quench Tanks Basement-General Area Vapor Degreasers	>0.5 mg/m³ >0.5 mg/m³
Air	NIOSH 5503	GC	0.03 ug	FF/FT in-line	SKC personal pump 0.05-0.2 L/min	Only if TWA area samples are greater than non detect (8hr TWA)	Individual Personnel	>0.5 mg/m³
Oil	Dilute and Shoot	GC	2 ppm	N/A	Collection device/sample jar	Monthly (first year) Querterly (second year) Biannually (third year +)	36" furnace quench tank $ drip pan 24" furnace drip pan 20" furnace drip pan Three flat presses Mother Tank Roller Press	>25 ppm Consider Oil Treatment
Wipes	EPA SW846 8080	GC	8.0 ug	100 cm sterile wipes	Sample jar	Every two months (first year) Querterly (second year) Biannually (third year +)	Floors/Ceilings Equipment High contact areas (ie control panels)	10 ug/100 cm²
Wipes	EPA SW846 8080	GC	8.0 ug	100 cm² sterile wipes	Sample jar	Confirmatory after oil cleanups	Spill area(s)	10 ug/100 cm²
Wastewater	EPA SW846 8080	GC	0.065 ug/l	N/A	N/A	Monthly (first year) Quarterly (second year) Biannually (third year +)	Basement sumps	0.065 ug/l

GC = Gas Chromatography
* - Detection Limit is estimated
PEL = Permissible Exposure Limit PCBs (current published
PEL for PCBs = 0.5 mg/m³

FF/FT = Fiber Filter/ Florisil Tube In-line Sampling
ND = Non Detect

4.0 Post Cleanup Maintenance Procedures

Oil is anticipated to accumulate on the floor of the Heat Treat Building from dragout of the quench oil as parts are removed. This oil may contain PCBs below regulated levels, cleaning procedures should be implemented to assure that oil is removed from the floor and equipment surfaces to prevent tracking and recontamination of previously cleaned areas.

All oil accumulations on the floor and equipment surfaces should be cleaned using rags and cleaning solvents (i.e. CitriKleen, Powerwash 155, CAPSUR). Once the isolated oil accumulations are removed, routine janitorial cleaning methods (i.e. wet vacuum) should be used to remove general dirt, and debris.

4.1 Employee Protection

Workers engaged in PCB spill cleanup activities should meet the medical and training requirements set forth in §29 CFR Part 1910.120. These health and safety requirements are outlined in Section 5.0. The specific personal protective equipment required for cleaning tasks is outlined in Table 4.

For work occurring where elevated levels of PCBs remain on equipment and building surfaces identified in Table 2, internal notification and authorization procedures should be incorporated into the company health and safety program to alert workers of potential PCB exposure and procedures to prevent contact with PCB. An example of an intrusive work permit is presented in Appendix B.

4.2 Waste Disposal

Spill cleanup debris containing PCBs from the quench process should be managed as hazardous waste for disposal in a treatment or disposal unit permitted under the Toxic Substances Control Act (TSCA), and by NYSDEC as appropriate.

5.0 Health and Safety

A modification of the company safety program to include PCB protection procedures is recommended. The following section identifies suggested protection measures to prevent employee contact with PCBs remaining in limited areas of the Heat Treat Building where removal was not practical. These measures should be implemented in conjunction with PCB air monitoring as discussed earlier. Restriction of access to PCB contaminated areas, personal protective clothing, training, and management controls (i.e. intrusive work permits, recordkeeping) are also essential to this health and safety program. The protective measures outlined in this plan should be used until PCB contaminated items are removed from the

building, and the building is decommissioned, at which time PCB contaminated materials should be properly disposed.

5.1 General Work Guidelines

General work practices in the Heat Treat Building can be largely unrestricted with the exception of intrusive activities pertaining to items identified in Table 2. Intrusive activities refer to those activities where internal portions of equipment are accessed, or demolition, drilling, cutting activities are performed, and when PCB contaminated items are handled. Training of workers affiliated with the Heat Treat Building should vary with respect to roles and responsibilities. These roles and responsibilities can be divided into two groups with respect to awareness, training, and job responsibilities as defined below:

<u>Group 1</u> Personnel working in proximity to, but not handling or disturbing potentially PCB contaminated materials.

<u>Group 2</u> Personnel engaged in maintenance activities on PCB contaminated equipment and building features or otherwise contact PCB contaminated equipment.

Personnel engaged in cleanup of PCB contaminated spill material.

Personnel using personal protective equipment to prevent exposure to PCB contaminated surfaces.

Responsibilities of personnel in Group 1 include:

- Avoid Food consumption and smoking in the Heat Treat Building.
- Report suspected spills (oil buildup) in the area to the Department Supervisor.

In addition to Group 1 responsibilities, Group 2 responsibilities include:

- Use of personal protective clothing and respiratory protection when engaged in activities requiring contact with PCB contaminated items identified in Table 4.
- Obtain an Intrusive Work Permit from the Manager of Environmental Health and Safety Affairs when engaged in activities requiring intrusion into restricted access areas identified in Table 4.

5.2 Training

All personnel (i.e., Group 1 & 2) who, in the course of their duties, do not contact PCB contaminated surfaces, handle or contact process oil, or, in any other way become exposed to PCB contamination while performing their duties should be made aware of the following subjects by means of a hazard communication program:

- The presence of PCBs.
- Location of PCBs.
- Restricted Access Areas.
- Physical and toxicological hazards associated with PCBs.
- Methods to prevent exposure to PCBs.
- Availability of physical, chemical and toxicological data associated with PCBs (i.e Material Safety Data Sheet).
- PCB Management Practices for the Heat Treat Building.

Employees engaged in PCB spill cleanup procedures, and maintenance activities involving contact with PCBs in excess of the EPA's health based cleanup standards identified in Table 1 should be trained in the following subject areas as outlined in the corresponding regulations:

Hazard Communication	§ 29 CFR Part 1910.1200
Hazardous Waste Operations	§ 29 CFR Part 1910.120
Respirator Use	§ 29 CFR Part 1910.134

5.3 Management Controls

Training records for all employees receiving the training outlined above should be maintained to include:

- Course title and date.
- Number of training hours.
- Course Instructor.
- Course Outline.
- Employee name.

Intrusive work permits should be required before any work involving contact with PCB contaminated items listed in Table 2 is initiated. The permit should be completed by the person performing the work and should address the exact location of the work to be performed, the type of work to be performed, and the duration of work. The permit should be authorized by the Manager of Health and Safety Affairs after verification that work areas are PCB free or

appropriate protection measures are in place. Verification of PCB contaminated areas can be made by reference to Figures 1 and 2, and Appendix A of this plan. The Manager's authorization should address specific protocols and personal protection equipment to be used. An example of an intrusive/hot work permit is presented in Appendix B.

Personnel entry/exit logs should be maintained for personnel entering and exiting the basement. The log should include the date and time entrance and exits are made and a brief description of work performed while in the basement.

5.4 Personal Protective Equipment

Use of Personal Protective Equipment (PPE) should be encouraged in areas of the building where PCB concentrations exceed EPA's cleanup standards identified in Table 1. Table 2 identifies each of the restricted access areas containing PCB concentrations in excess of these standards at the completion of the 1992 decontamination activities. Appropriate PPE is identified in Table 4.

5.5 Restricted Access Areas

The basement should be a restricted access area requiring personal protective equipment for all entrances due to elevated levels of PCBs remaining on building and equipment surfaces in this area. A contaminant reduction and waste disposal area should be established at both entrances through which all personnel and equipment should pass upon entering and exiting the basement. Signs should be posted at these entrances indicating the presence of PCBs and any work permit requirements.

The minimum requirements for the contaminant reduction area at the entrances should include:

- Personal Protective Equipment (PPE) supplies.
- Decontamination fluid and material supplies for equipment and tools used in the basement requiring decontamination before removal from the basement.
- Receptacles for disposal of used PPE and decontamination fluids.

Entry and exit from this area should be documented by the Manager of Health and Safety Affairs. All personnel entering the basement should sign a log when entering this area.

Table 4
Personal Protection Equipment for
Restricted Areas Within the Heat Treat Building

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Location	Final PCB Concentration (ug/100cm²)	Type of PPE Required
Main Floor		
Crane #2	23	Gloves.
Steel Plate south of plating line #1	17	Gloves, Boots.
Steel Plate south of plating line #4	34	Gloves, Boots.
Steel Plate south of plating line #7	48E	Gloves, Boots.
Main Floor Concrete and Floor Trenches	1,100 max	Gloves, Boots, Suit.
Basement		
Basement Ceiling	2600E (max)	All activities within the basement require protective gloves, boots, and coverall.
Basement Floor Concrete	1,300 (max)	
Basement North Wall	24 (max)	
Basement South Wall	18	
Basement East Wall	34 (max)	
Basement West Wall	69E	
Red oil pump in heat treat basement	600E (max)	
Basement, mother quench tank one foot from horizontal	29	
Basement floor 2nd rm SW of Heat Treat	270 (max)	
Roof Vents	190	Gloves, Boots, Suit
Vapor Degreaser Sludge (Room Temperature)	--	Gloves, Boots, Suit, Respirator.
Spill Cleanup	--	Gloves, Boots, Suit.

Gloves = Platex Argus, Silver Shield, or equivalent.
Boots = Disposable Chemical Resistant Overboots.
Suit = Saranex Suit

Air purifying respirators should be used by workers engaged in Hot Work (i.e. welding, cutting) on any items identified above including all equipment and building appurtenances in the basement.

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APPENDIX A

PCB DATA LOG

The Gleason Works

PCB Decontamination of Heat Treat Building and Basement 4/1/92 – 9/31/92

DATA LOG

Sample Collection by: Roy F. Weston, Inc.

Analysis by: Roy F. Weston, Inc.

Mobil Laboratory Services

1 Ceiling Vents	Sample Type	Sample I.D. #	Initial Test	Clean Cycle 1	Clean Cycle 2	Clean Cycle 3	Clean Cycle 4	Confirmatory 1	Confirmatory 2	Units
Vent Wipe from Ceiling above lab area	Wipe	VW001	10.0 *							ug/100 cm²
Vent Soot from ceiling vent above lab area	Soot	VS002	20.0 *							ug/100 cm²

2 Ceiling in Tin Building	Sample Type	Sample I.D. #	Initial Test	Clean Cycle 1	Clean Cycle 2	Clean Cycle 3	Clean Cycle 4	Confirmatory 1	Confirmatory 2	Units
Plastic coated ceiling insulation in Tin Building	Wipe	WC005	0.21 J *							ug/100 cm²
Postremediation Samples	Wipe	CW0114		ND						ug/100 cm²
(SEE SAMPLE LOCATION MAP)	Wipe	CW0115		ND						ug/100 cm²
Ceiling wipe	Wipe	CW0116		ND						ug/100 cm²
Ceiling wipe	Wipe	CW0117		ND						ug/100 cm²
Ceiling wipe	Wipe	CW0118		ND						ug/100 cm²
Ceiling wipe	Wipe	CW0124		ND						ug/100 cm²
Ceiling wipe	Wipe	CW0125		ND						ug/100 cm²
Ceiling wipe	Wipe	CW0126		ND						ug/100 cm²
Ceiling wipe	Wipe	CW0127		ND						ug/100 cm²
Ceiling wipe	Wipe	CW0128		ND						ug/100 cm²
Ceiling wipe	Wipe	CW1109						2.7 J		ug/100 cm²
Ceiling wipe	Wipe	CW1110						ND		ug/100 cm²
Ceiling wipe	Wipe	CW1111						ND		ug/100 cm²
Ceiling wipe	Wipe	CW1112						ND		ug/100 cm²
Ceiling wipe	Wipe	CW1113						ND		ug/100 cm²
Ceiling wipe	Wipe	CW1114						ND		ug/100 cm²
Ceiling wipe	Wipe	CW1119						ND		ug/100 cm²
Ceiling wipe	Wipe	CW1120						ND		ug/100 cm²

3 Ceiling in Heat Treat Area	Sample Type	Sample I.D. #	Initial Test	Clean Cycle 1	Clean Cycle 2	Clean Cycle 3	Clean Cycle 4	Confirmatory 1	Confirmatory 2	Units
Ceiling wipe	Wipe	CW003	9.1 *							ug/100 cm²
Ceiling wipe	Wipe	CW004	0.20 J *							ug/100 cm²
Ceiling wipe	Wipe	CW0111		ND						ug/100 cm²
Ceiling wipe	Wipe	CW0112		ND						ug/100 cm²
Ceiling wipe	Wipe	CW0113		ND						ug/100 cm²
Ceiling wipe	Wipe	CW0119		ND						ug/100 cm²
Ceiling wipe	Wipe	CW0120		ND						ug/100 cm²
Ceiling wipe	Wipe	CW0121		ND						ug/100 cm²
Ceiling wipe	Wipe	CW0122		ND						ug/100 cm²
Ceiling wipe	Wipe	CW0123		ND						ug/100 cm²
Ceiling wipe	Wipe	CW0129		ND						ug/100 cm²
Ceiling wipe	Wipe	CW0130		ND						ug/100 cm²
Ceiling wipe	Wipe	CW0131		ND						ug/100 cm²
Ceiling wipe	Wipe	CW0132		ND						ug/100 cm²
Ceiling wipe	Wipe	CW0133		ND						ug/100 cm²
Ceiling wipe	Wipe	CW1099						ND		ug/100 cm²
Ceiling wipe	Wipe	CW1100						ND		ug/100 cm²
Ceiling wipe	Wipe	CW1101						ND		ug/100 cm²
Ceiling wipe	Wipe	CW1102						ND		ug/100 cm²
Ceiling wipe	Wipe	CW1103						ND		ug/100 cm²
Ceiling wipe	Wipe	CW1104						ND		ug/100 cm²
Ceiling wipe	Wipe	CW1105						ND		ug/100 cm²
Ceiling wipe	Wipe	CW1106						ND		ug/100 cm²
Ceiling wipe	Wipe	CW1107						ND		ug/100 cm²
Ceiling wipe	Wipe	CW1108						ND		ug/100 cm²
Ceiling wipe	Wipe	CW1115						ND		ug/100 cm²
Ceiling wipe	Wipe	CW1116						ND		ug/100 cm²
Ceiling wipe	Wipe	CW1117						ND		ug/100 cm²
Ceiling wipe	Wipe	CW1118						ND		ug/100 cm²
Ceiling wipe	Wipe	CW1119						ND		ug/100 cm²

ND–Not detected at reported detection limit

4. First Floor Superstructure, Walls, Columns, Cranes	Sample Type	Sample I.D. #	Initial Test	Clean Cycle 1	Clean Cycle 2	Clean Cycle 3	Clean Cycle 4	Confirmatory 1	Confirmatory 2	Units
Overhead Door Handles	Wipe	WW006	1.1							ug/100 cm²
Support Column East of 36" Rotary Furnace	Wipe	WW007	0.37 J							ug/100 cm²
Ledge on northeast corner of Lab (3 feet High)	Wipe	WW010	6.2 *							ug/100 cm²
Laboratory doorknob	Wipe	WW011	3.5 *							ug/100 cm²
Column east of Lab 4 feet high	Wipe	WW012	2.4							ug/100 cm²
Column #T33 near bottom on steel	Wipe	WW014	0.31 J							ug/100 cm²
Overhead door casing in northeast corner, 3' above floor	Wipe	WW016	1.9							ug/100 cm²
Wipe sample trip blank	Wipe	WW086	ND							ug/100 cm²
Support column west of stairway to basement	Wipe	WW1097						ND		ug/100 cm²
First Floor East Wall	**Sample Type**	**Sample I.D. #**	**Initial Test**	**Clean Cycle 1**	**Clean Cycle 2**	**Clean Cycle 3**	**Clean Cycle 4**	**Confirmatory 1**	**Confirmatory 2**	**Units**
Center of wall near on stained cinderblock 1.5' above floor	Wipe	WW015	1.1							ug/100 cm²
East wall	Wipe	WW0139		ND						ug/100 cm²
East wall	Wipe	WW0140		ND						ug/100 cm²
East wall	Wipe	WW0141		ND						ug/100 cm²
East wall	Wipe	WW0142		ND						ug/100 cm²
East wall	Wipe	WW0143		ND						ug/100 cm²
East wall	Wipe	WW0144		ND						ug/100 cm²
East wall	Wipe	WW0145		ND						ug/100 cm²
East wall	Wipe	WW0146		ND						ug/100 cm²
East wall	Wipe	WW0147		ND						ug/100 cm²
East wall	Wipe	WW0148		ND						ug/100 cm²
East wall	Wipe	WW0149		ND						ug/100 cm²
East wall	Wipe	WW0150		ND						ug/100 cm²
East wall	Wipe	WW0151		ND						ug/100 cm²
East wall	Wipe	WW0152		ND						ug/100 cm²
East wall	Wipe	WW0153		ND						ug/100 cm²
East wall	Wipe	WW0154		ND						ug/100 cm²
East wall	Wipe	WW0155		3.0 J						ug/100 cm²
East wall	Wipe	WW0156		ND						ug/100 cm²
East wall	Wipe	WW0157		ND						ug/100 cm²
East wall	Wipe	WW0893						ND		ug/100 cm²
East wall	Wipe	WW0894						ND		ug/100 cm²
East wall	Wipe	WW0895						ND		ug/100 cm²
East wall	Wipe	WW0896						ND		ug/100 cm²
East wall	Wipe	WW0897						ND		ug/100 cm²
East wall	Wipe	WW0898						ND		ug/100 cm²
East wall	Wipe	WW0899						ND		ug/100 cm²
East wall	Wipe	WW0902						ND		ug/100 cm²
East wall	Wipe	WW0903						ND		ug/100 cm²
East wall	Wipe	WW0904						ND		ug/100 cm²
East wall	Wipe	WW0905						ND		ug/100 cm²
East wall	Wipe	WW0906						ND		ug/100 cm²
East wall	Wipe	WW0907						ND		ug/100 cm²
East wall	Wipe	WW0908						ND		ug/100 cm²
East wall	Wipe	WW0909						ND		ug/100 cm²
East wall	Wipe	WW0910						ND		ug/100 cm²
East wall	Wipe	WW0911						ND		ug/100 cm²
East wall	Wipe	WW0912						ND		ug/100 cm²
East wall	Wipe	WW1205						ND		ug/100 cm²
East wall	Wipe	WW1206						ND		ug/100 cm²
East wall	Wipe	WW1207						ND		ug/100 cm²
First Floor West Wall	**Sample Type**	**Sample I.D. #**	**Initial Test**	**Clean Cycle 1**	**Clean Cycle 2**	**Clean Cycle 3**	**Clean Cycle 4**	**Confirmatory 1**	**Confirmatory 2**	**Units**
West wall	Wipe	WW0485		ND						ug/100 cm²
West wall	Wipe	WW0486		18						ug/100 cm²
West wall	Wipe	WW0487		ND						ug/100 cm²
West wall	Wipe	WW0488		ND						ug/100 cm²
West wall	Wipe	WW0489		ND						ug/100 cm²
West wall	Wipe	WW0490		ND						ug/100 cm²

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West wall	Wipe	WW0491		ND					ug/100 cm²
West wall	Wipe	WW0492		ND					ug/100 cm²
West wall	Wipe	WW0493		ND					ug/100 cm²
West wall	Wipe	WW0494		ND					ug/100 cm²
West wall	Wipe	WW0495		ND					ug/100 cm²
West wall	Wipe	WW0496		ND					ug/100 cm²
West wall	Wipe	WW0613		ND					ug/100 cm²
West wall	Wipe	WW0614		ND					ug/100 cm²
West wall	Wipe	WW0615		ND					ug/100 cm²
West wall	Wipe	WW0616		ND					ug/100 cm²
West wall	Wipe	WW1129						ND	ug/100 cm²
West wall	Wipe	WW1130						ND	ug/100 cm²
West wall	Wipe	WW1131						ND	ug/100 cm²
West wall	Wipe	WW1132						ND	ug/100 cm²
West wall	Wipe	WW1133						ND	ug/100 cm²
West wall	Wipe	WW1134						ND	ug/100 cm²
West wall	Wipe	WW1135						ND	ug/100 cm²
West wall	Wipe	WW1136						ND	ug/100 cm²
West wall	Wipe	WW1137						ND	ug/100 cm²
West wall	Wipe	WW1138						ND	ug/100 cm²
West wall	Wipe	WW1139						ND	ug/100 cm²
West wall	Wipe	WW1140						ND	ug/100 cm²
West wall	Wipe	WW1141						ND	ug/100 cm²
West wall	Wipe	WW1142						ND	ug/100 cm²
West wall	Wipe	WW1143						ND	ug/100 cm²
West wall	Wipe	WW1161						ND	ug/100 cm²
West wall	Wipe	WW1162						ND	ug/100 cm²
West wall	Wipe	WW1163						ND	ug/100 cm²
West wall	Wipe	WW1164						ND	ug/100 cm²
First Floor North Wall	**Sample Type**	**Sample I.D. #**	**Initial Test**	**Clean Cycle 1**	**Clean Cycle 2**	**Clean Cycle 3**	**Clean Cycle 4**	**Confirmatory 1**	**Confirmatory 2**	**Units**
Corner of Lab and North Wall (breast height)	Wipe	WW009	12.0 *							ug/100 cm²
Center of Wall near compressed air lines	Wipe	WW017	2.2							ug/100 cm²
North wall	Wipe	WW0509	ND							ug/100 cm²
North wall	Wipe	WW0510	ND							ug/100 cm²
North wall	Wipe	WW0511	5.4 J							ug/100 cm²
North wall	Wipe	WW0512	ND							ug/100 cm²
North wall	Wipe	WW0536	ND							ug/100 cm²
North wall	Wipe	WW0537	ND							ug/100 cm²
North wall	Wipe	WW0538	5.5 J							ug/100 cm²
North wall	Wipe	WW0539	5.5 J							ug/100 cm²
North wall	Wipe	WW0540	3.7 J							ug/100 cm²
North wall	Wipe	WW0541	8.1							ug/100 cm²
North wall	Wipe	WW0542	5.6 J							ug/100 cm²
North wall	Wipe	WW0543	1.8 J							ug/100 cm²
North wall	Wipe	WW0544	3.0 J							ug/100 cm²
North wall	Wipe	WW0545	ND							ug/100 cm²
North wall	Wipe	WW0546	ND							ug/100 cm²
North wall	Wipe	WW0547	ND							ug/100 cm²
North wall	Wipe	WW0548	ND							ug/100 cm²
North wall	Wipe	WW0549	ND							ug/100 cm²
North wall	Wipe	WW0832						ND		ug/100 cm²
North wall	Wipe	WW0833						ND		ug/100 cm²
North wall	Wipe	WW0546						ND		ug/100 cm²
North wall	Wipe	WW0913						ND		ug/100 cm²
North wall	Wipe	WW0914						ND		ug/100 cm²
North wall	Wipe	WW0916						ND		ug/100 cm²
North wall	Wipe	WW0916						ND		ug/100 cm²
North wall	Wipe	WW0917						ND		ug/100 cm²
North wall	Wipe	WW1189						ND		ug/100 cm²
North wall	Wipe	WW1190						ND		ug/100 cm²
North wall	Wipe	WW1191						ND		ug/100 cm²
North wall	Wipe	WW1192						ND		ug/100 cm²

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North wall	Wipe	WW1193						ND		ug/100 cm²
North wall	Wipe	WW1194						ND		ug/100 cm²
North wall	Wipe	WW1195						ND		ug/100 cm²
North wall	Wipe	WW1196						ND		ug/100 cm²
North wall	Wipe	WW1197						ND		ug/100 cm²
North wall	Wipe	WW1198						ND		ug/100 cm²
North wall	Wipe	WW1199						ND		ug/100 cm²
North wall	Wipe	WW1200						ND		ug/100 cm²
North wall	Wipe	WW1201						ND		ug/100 cm²
North wall	Wipe	WW1202						ND		ug/100 cm²
First Floor South Wall	**Sample Type**	**Sample I.D. #**	**Initial Test**	**Clean Cycle 1**	**Clean Cycle 2**	**Clean Cycle 3**	**Clean Cycle 4**	**Confirmatory 1**	**Confirmatory 2**	**Units**
Overhead door casing on south wall (lift side)	Wipe	WW008	0.63 J							ug/100 cm²
Center area on support beam near joint with corrugated steel	Wipe	WW013	0.54 J							ug/100 cm²
South wall	Wipe	WW0550		ND						ug/100 cm²
South wall	Wipe	WW0551		ND						ug/100 cm²
South wall	Wipe	WW0552		2.6 J						ug/100 cm²
South wall	Wipe	WW0553		ND						ug/100 cm²
South wall	Wipe	WW0554		ND						ug/100 cm²
South wall	Wipe	WW0555		ND						ug/100 cm²
South wall	Wipe	WW0556		ND						ug/100 cm²
South wall	Wipe	WW0557		2.7 J						ug/100 cm²
South wall	Wipe	WW0617		ND						ug/100 cm²
South wall	Wipe	WW0618		ND						ug/100 cm²
South wall	Wipe	WW0619		ND						ug/100 cm²
South wall	Wipe	WW0620		ND						ug/100 cm²
South wall	Wipe	WW0621		ND						ug/100 cm²
South wall	Wipe	WW0622		ND						ug/100 cm²
South wall	Wipe	WW0623		ND						ug/100 cm²
South wall	Wipe	WW0624		ND						ug/100 cm²
South wall	Wipe	WW0625		ND						ug/100 cm²
South wall	Wipe	WW0626		ND						ug/100 cm²
South wall	Wipe	WW0627		ND						ug/100 cm²
South wall	Wipe	WW0628		ND						ug/100 cm²
South wall	Wipe	WW0900						ND		ug/100 cm²
South wall	Wipe	WW0901						ND		ug/100 cm²
South wall	Wipe	WW1165						ND		ug/100 cm²
South wall	Wipe	WW1166						ND		ug/100 cm²
South wall	Wipe	WW1167						ND		ug/100 cm²
South wall	Wipe	WW1168						ND		ug/100 cm²
South wall	Wipe	WW1169						ND		ug/100 cm²
South wall	Wipe	WW1170						ND		ug/100 cm²
South wall	Wipe	WW1171						ND		ug/100 cm²
South wall	Wipe	WW1172						ND		ug/100 cm²
South wall	Wipe	WW1173						ND		ug/100 cm²
South wall	Wipe	WW1174						ND		ug/100 cm²
South wall	Wipe	WW1175						ND		ug/100 cm²
South wall	Wipe	WW1176						ND		ug/100 cm²
South wall	Wipe	WW1177						ND		ug/100 cm²
South wall	Wipe	WW1178						ND		ug/100 cm²
South wall	Wipe	WW1179						ND		ug/100 cm²
South wall	Wipe	WW1180						ND		ug/100 cm²
South wall	Wipe	WW1181						ND		ug/100 cm²
South wall	Wipe	WW1183						ND		ug/100 cm²
South wall	Wipe	WW1184						ND		ug/100 cm²
South wall	Wipe	WW1185						ND		ug/100 cm²
South wall	Wipe	WW1186						ND		ug/100 cm²
South wall	Wipe	WW1187						ND		ug/100 cm²
South wall	Wipe	WW1188						ND		ug/100 cm²

ND – Not detected at reported detection limit

First Floor Wipe Samples	Sample Type	Sample I.D. #	Initial Test	Clean Cycle 1	Clean Cycle 2	Clean Cycle 3	Clean Cycle 4	Confirmatory 1	Confirmatory 2	Units
First Floor	Wipe	FW1023						ND		ug/100 cm²
First Floor	Wipe	FW1024						ND		ug/100 cm²
First Floor	Wipe	FW1025						23*		ug/100 cm²
First Floor	Wipe	FW1026						ND		ug/100 cm²
First Floor	Wipe	FW1027						ND		ug/100 cm²
First Floor	Wipe	FW1028						ND		ug/100 cm²
First Floor	Wipe	FW1029						ND		ug/100 cm²
First Floor	Wipe	FW1030						ND		ug/100 cm²
First Floor	Wipe	FW1031						ND		ug/100 cm²
First Floor	Wipe	FW1032						ND		ug/100 cm²
First Floor	Wipe	FW1033						ND		ug/100 cm²
First Floor	Wipe	FW1034						ND		ug/100 cm²
First Floor	Wipe	FW1035						ND		ug/100 cm²
First Floor	Wipe	FW1036						ND		ug/100 cm²
First Floor	Wipe	FW1037						ND		ug/100 cm²
First Floor	Wipe	FW1038						ND		ug/100 cm²
First Floor	Wipe	FW1039						ND		ug/100 cm²
First Floor	Wipe	FW1040						ND		ug/100 cm²
First Floor	Wipe	FW1041						ND		ug/100 cm²
First Floor	Wipe	FW1042						ND		ug/100 cm²
First Floor	Wipe	FW1043						ND		ug/100 cm²
First Floor	Wipe	FW1044						ND		ug/100 cm²
First Floor	Wipe	FW1045						ND		ug/100 cm²
Cranes	**Sample Type**	**Sample I.D. #**	**Initial Test**	**Clean Cycle 1**	**Clean Cycle 2**	**Clean Cycle 3**	**Clean Cycle 4**	**Confirmatory 1**	**Confirmatory 2**	**Units**
Northeast crane	Wipe	EW0840	ND							ug/100 cm²
Northeast crane	Wipe	EW0841	ND							ug/100 cm²
Northeast crane	Wipe	EW0842	39							ug/100 cm²
Northeast crane	Wipe	EW0842	6.0 J							ug/100 cm²
Northeast crane	Wipe	EW0843	3.5 J							ug/100 cm²
Crane above square quench tank	Wipe	EW0938	5.9 J							ug/100 cm²
Crane above square quench tank	Wipe	EW0939	17							ug/100 cm²
Crane above north Flat Press	Wipe	EW0940	ND							ug/100 cm²
Crane above north Flat Press	Wipe	EW0941	12							ug/100 cm²
Crane north of 36" furnace	Wipe	EW0942	21*							ug/100 cm²
Crane track north of 36" furnace	Wipe	EW0943	7.7 J							ug/100 cm²
Crane with hook west of 36" furnace	Wipe	EW0944	ND							ug/100 cm²
Crane with hook west of 36" furnace	Wipe	EW0945	27							ug/100 cm²
Crane #119, westward over Flat Press south	Wipe	EW1252						ND		ug/100 cm²
Crane, westward over Flat Press north	Wipe	EW1253						ND		ug/100 cm²
Crane # 118, westward over Normalizing furnace	Wipe	EW1254						ND		ug/100 cm²
Crane #120, westward over Normalizing furnace	Wipe	EW1255						ND		ug/100 cm²
Crane #122, west of 24" furnace westward large TCE	Wipe	EW1256						ND		ug/100 cm²
Crane #2, running north–south	Wipe	EW1257						ND		ug/100 cm²
Crane #2	Wipe	EW1004						23*		ug/100 cm²
Crane #84	Wipe	EW1005						ND		ug/100 cm²
Crane #117	Wipe	EW1006						ND		ug/100 cm²
Crane #13	Wipe	EW1007						9.4 J		ug/100 cm²
5 Light Fixtures			**Initial Test**	**Clean Cycle 1**	**Clean Cycle 2**	**Clean Cycle 3**	**Clean Cycle 4**	**Confirmatory 1**	**Confirmatory 2**	**Units**
6 Windows			**Initial Test**	**Clean Cycle 1**	**Clean Cycle 2**	**Clean Cycle 3**	**Clean Cycle 4**	**Confirmatory 1**	**Confirmatory 2**	**Units**
7 Two Hoffman Oil Filters			**Initial Test**	**Clean Cycle 1**	**Clean Cycle 2**	**Clean Cycle 3**	**Clean Cycle 4**	**Confirmatory 1**	**Confirmatory 2**	**Units**
8 Two Flame Hardening Units			**Initial Test**	**Clean Cycle 1**	**Clean Cycle 2**	**Clean Cycle 3**	**Clean Cycle 4**	**Confirmatory 1**	**Confirmatory 2**	**Units**
Flame Hardener South										
One foot	Wipe	EW0463		ND						ug/100 cm²
One foot	Wipe	EW0464		27						ug/100 cm²
One foot	Wipe	EW0465		45						ug/100 cm²
Three feet	Wipe	EW0466		ND						ug/100 cm²
Three feet	Wipe	EW0467		ND						ug/100 cm²

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	Three feet	Wipe	EW0468		ND						ug/100 cm²
	One foot	Wipe	EW0503			ND					ug/100 cm²
	One foot	Wipe	EW0504			4.8 J					ug/100 cm²
	One foot	Wipe	EW0505			ND					ug/100 cm²
	Three feet	Wipe	EW0506			6.3 J					ug/100 cm²
	Three feet	Wipe	EW0507			6.5					ug/100 cm²
	Three feet	Wipe	EW0508			ND					ug/100 cm²
	One foot verticle	Wipe	EW0991							10*	ug/100 cm²
	Three feet horizontal	Wipe	EW0992							ND	ug/100 cm²
	Flame Hardener North			Initial Test	Clean Cycle 1	Clean Cycle 2	Clean Cycle 3	Clean Cycle 4		Confirmatory 1	Confirmatory 2	Units
	One foot	Wipe	EW0469		49							ug/100 cm²
	One foot	Wipe	EW0470		280							ug/100 cm²
	One foot	Wipe	EW0471		2.7 J							ug/100 cm²
	Three feet	Wipe	EW0472		ND							ug/100 cm²
	Three feet	Wipe	EW0473		3.8 J							ug/100 cm²
	Three feet	Wipe	EW0474		ND							ug/100 cm²
	One foot	Wipe	EW0497			ND						ug/100 cm²
	One foot	Wipe	EW0498			ND						ug/100 cm²
	One foot	Wipe	EW0499			ND						ug/100 cm²
	Three feet	Wipe	EW0500			ND						ug/100 cm²
	Three feet	Wipe	EW0501			51 E*						ug/100 cm²
	Three feet	Wipe	EW0502			ND						ug/100 cm²
	Flame Hardener	Wipe	EW0629				5.5 J					ug/100 cm²
	Flame Hardener	Wipe	EW0630				ND					ug/100 cm²
	Flame Hardener	Wipe	EW0631				ND					ug/100 cm²
	Flame Hardener	Wipe	EW0632				ND					ug/100 cm²
	One foot verticle	Wipe	EW0989							ND		ug/100 cm²
	Three feet verticle surface	Wipe	EW0990							ND		ug/100 cm²
9	Eight Control Panels on Main Floor		Sample I.D. #	Initial Test	Clean Cycle 1	Clean Cycle 2	Clean Cycle 3	Clean Cycle 4		Confirmatory 1	Confirmatory 2	Units
	Control panel near east normalizing furnaces	Wipe	EW0931							ND		ug/100 cm²
	Control panel near east normalizing furnaces	Wipe	EW0932							ND		ug/100 cm²
	Control panel south of homocarbs	Wipe	EW0983							3.7 J		ug/100 cm²
	Control panel south of homocarbs	Wipe	EW0984							ND		ug/100 cm²
	Control panel west of homocarbs	Wipe	EW0985							ND		ug/100 cm²
	Control panel west of homocarbs	Wipe	EW0986							ND		ug/100 cm²
	Control panel south of 20" furnace	Wipe	EW0997							ND		ug/100 cm²
	Control panel west of north homocarb	Wipe	EW1002							ND		ug/100 cm²
	Control panel west of north homocarb	Wipe	EW1003							ND		ug/100 cm²
	Control panel south of 20" furnace	Wipe	EW1006							ND		ug/100 cm²
10	One Tumbling Machine		Sample I.D. #	Initial Test	Clean Cycle 1	Clean Cycle 2	Clean Cycle 3	Clean Cycle 4		Confirmatory 1	Confirmatory 2	Units
	One foot verticle surface	Wipe	EW0568		ND							ug/100 cm²
	Two feet verticle	Wipe	EW0569		ND							ug/100 cm²
	Four feet verticle	Wipe	EW0570		ND							ug/100 cm²
	Top horizontal surface	Wipe	EW0571		ND							ug/100 cm²
	Inside surface of machine	Wipe	EW0572		37*							ug/100 cm²
	Inside tubling machine	Wipe	EW0611			ND						ug/100 cm²
	One foot verticle	Wipe	EW0999							ND		ug/100 cm²
	Three feet horizontal	Wipe	EW1000							ND		ug/100 cm²
11	Two Trichlorethylene Vapor Degreasers		Sample I.D. #	Initial Test	Clean Cycle 1	Clean Cycle 2	Clean Cycle 3	Clean Cycle 4		Confirmatory 1	Confirmatory 2	Units
	Small Vapor Degreaser											
	Vapor Degreaser apparatus	Wipe	EW1121							ND		ug/100 cm²
	Eight feet verticle surface	Wipe	EW0378		ND							ug/100 cm²
	Four feet verticle surface	Wipe	EW0379		ND							ug/100 cm²
	Bottom horizontal surface	Wipe	EW0380		ND							ug/100 cm²
	Sediment sample from small vapor degreaser	Sediment	SE0381		ND							ug/100 cm²
	One foot	Wipe	EW0421			ND						ug/100 cm²
	One foot	Wipe	EW0422			ND						ug/100 cm²
	Four feet	Wipe	EW0423			ND						ug/100 cm²
	Four feet	Wipe	EW0424			1.9 J						ug/100 cm²

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One foot	Wipe	EW0522			ND				ug/100 cm²
One foot	Wipe	EW0523			5.6 J				ug/100 cm²
One foot	Wipe	EW0524			3.7 J				ug/100 cm²
Three feet	Wipe	EW0526				2.7 J			ug/100 cm²
Three feet	Wipe	EW0527				29			ug/100 cm²
Three feet	Wipe	EW0528				2.4 J			ug/100 cm²
One foot	Wipe	EW0987						ND	ug/100 cm²
Four feet verticle	Wipe	EW0998						ND	ug/100 cm²
Large Vapor Degreaser	Sample Type	Sample I.D. #	Initial Test	Clean Cycle 1	Clean Cycle 2	Clean Cycle 3	Clean Cycle 4	Confirmatory 1	Confirmatory 2	Units
One foot	Wipe	EW0417		ND						ug/100 cm²
One foot	Wipe	EW0418		4.2 J						ug/100 cm²
Four feet	Wipe	EW0419		2.3 J						ug/100 cm²
Four feet	Wipe	EW0420		ND						ug/100 cm²
Solvent sample	Solvent	ST0276								
12 A-Frame Hoist		Sample I.D. #	Initial Test	Clean Cycle 1	Clean Cycle 2	Clean Cycle 3	Clean Cycle 4	Confirmatory 1	Confirmatory 2	Units
Hoist leg	Wipe	EW0302		ND						ug/100 cm²
Hoist leg one foot	Wipe	EW0303		ND						ug/100 cm²
Hoist leg, air hoist component	Wipe	EW0304		1.5 J						ug/100 cm²
13 Four Normalizing Furnaces	Sample Type	Sample I.D. #	Initial Test	Clean Cycle 1	Clean Cycle 2	Clean Cycle 3	Clean Cycle 4	Confirmatory 1	Confirmatory 2	Units
West Normalizing Furnace										
West Furnace, one foot	Wipe	EW0252		ND						ug/100 cm²
West Furnace, one foot	Wipe	EW0253		ND						ug/100 cm²
West Furnace, one foot	Wipe	EW0254		6.9 J						ug/100 cm²
West Furnace, three foot	Wipe	EW0255		ND						ug/100 cm²
West Furnace, three foot	Wipe	EW0256		ND						ug/100 cm²
West Furnace, three foot	Wipe	EW0257		4.3 J						ug/100 cm²
Bottom one foot	Wipe	EW0927						ND		ug/100 cm²
Three feet horizontal	Wipe	EW0926						ND		ug/100 cm²
One foot verticle	Wipe	EW0981						ND		ug/100 cm²
Four feet horizontal	Wipe	EW0982						ND		ug/100 cm²
North Normalizing Furnace	Sample Type	Sample I.D. #	Initial Test	Clean Cycle 1	Clean Cycle 2	Clean Cycle 3	Clean Cycle 4	Confirmatory 1	Confirmatory 2	Units
North Furnace, one foot	Wipe	EW0258		37						ug/100 cm²
North Furnace, one foot	Wipe	EW0259		ND						ug/100 cm²
North Furnace, one foot	Wipe	EW0260		19						ug/100 cm²
North Furnace, three foot	Wipe	EW0261		ND						ug/100 cm²
North Furnace, three foot	Wipe	EW0262		ND						ug/100 cm²
North Furnace, three foot	Wipe	EW0263		ND						ug/100 cm²
North Furnace, one foot	Wipe	EW0334			5.5 J					ug/100 cm²
North Furnace, one foot	Wipe	EW0335			5.8 J					ug/100 cm²
North Furnace, one foot	Wipe	EW0336			7.8 J					ug/100 cm²
North Furnace, one foot	Wipe	EW0337			3.3 J					ug/100 cm²
Normalizing Furnace East	Sample Type	Sample I.D. #	Initial Test	Clean Cycle 1	Clean Cycle 2	Clean Cycle 3	Clean Cycle 4	Confirmatory 1	Confirmatory 2	Units
East Furnace, one foot	Wipe	EW0264		2.2 J						ug/100 cm²
East Furnace, one foot	Wipe	EW0265		ND						ug/100 cm²
East Furnace, one foot	Wipe	EW0266		ND						ug/100 cm²
East Furnace, three foot	Wipe	EW0267		ND						ug/100 cm²
East Furnace, three foot	Wipe	EW0268		ND						ug/100 cm²
East Furnace, three foot	Wipe	EW0269		ND						ug/100 cm²
Bottom one foot	Wipe	EW0937						ND		ug/100 cm²
Three feet horizontal	Wipe	EW0930						ND		ug/100 cm²
One foot verticle	Wipe	EW0927						ND		ug/100 cm²
Three feet horizontal	Wipe	EW0928						ND		ug/100 cm²
Three feet horizontal	Wipe	EW0930						ND		ug/100 cm²
One foot verticle	Wipe	EW0937						ND		ug/100 cm²
14 Induction Hardener and Transformer	Sample Type	Sample I.D. #	Initial Test	Clean Cycle 1	Clean Cycle 2	Clean Cycle 3	Clean Cycle 4	Confirmatory 1	Confirmatory 2	Units
Bottom one foot	Wipe	EW0343	80 E							ug/100 cm²
Bottom one foot	Wipe	EW0344	4.1 J							ug/100 cm²

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Bottom one foot	Wipe	EW0354	29								ug/100 cm²
Bottom one foot	Wipe	EW0355	35								ug/100 cm²
Bottom one foot	Wipe	EW0355	22								ug/100 cm²
Three to five feet	Wipe	EW0347	ND								ug/100 cm²
Top horizontal surface	Wipe	EW0348	1.2 J								ug/100 cm²
Transformer bottom one foot	Wipe	EW0345	25								ug/100 cm²
Transformer bottom one foot	Wipe	EW0357	49 E								ug/100 cm²
Transformer bottom one foot	Wipe	EW0356	96 E								ug/100 cm²
Transformer bottom one foot	Wipe	EW0359	11								ug/100 cm²
Transformer three to five feet	Wipe	EW0348	12								ug/100 cm²
Transformer three to five feet	Wipe	EW0349	3.7 J								ug/100 cm²
# 1, one foot	Wipe	EW0425		ND							ug/100 cm²
# 1, one foot	Wipe	EW0425		ND							ug/100 cm²
# 1, four feet	Wipe	EW0427		ND							ug/100 cm²
# 1, four feet	Wipe	EW0428		ND							ug/100 cm²
# 2, one foot	Wipe	EW0429		17							ug/100 cm²
# 2, one foot	Wipe	EW0430		7.5 J							ug/100 cm²
# 2, four feet	Wipe	EW0431		ND							ug/100 cm²
# 2, four feet	Wipe	EW0432		ND							ug/100 cm²
# 3, one foot	Wipe	EW0434		7.6 J							ug/100 cm²
# 3, one foot	Wipe	EW0435		4.4 J							ug/100 cm²
# 3, four feet	Wipe	EW0436		ND							ug/100 cm²
# 3, four feet	Wipe	EW0437		14							ug/100 cm²
# 2, one foot	Wipe	EW0457			8.4						ug/100 cm²
# 2, one foot	Wipe	EW0458			15						ug/100 cm²
# 2, one foot	Wipe	EW0459			ND						ug/100 cm²
# 3, one foot	Wipe	EW0460			2.0 J						ug/100 cm²
# 3, one foot	Wipe	EW0461			2.5 J						ug/100 cm²
# 3, one foot	Wipe	EW0462			5.1 J						ug/100 cm²
# 2, one foot	Wipe	EW0475					ND				ug/100 cm²
# 2, one foot	Wipe	EW0476					6.6 J				ug/100 cm²
# 2, one foot	Wipe	EW0477					6.4				ug/100 cm²
15 Four Homocarb Furnaces	**Sample Type**	**Sample I.D. #**	**Initial Test**	**Clean Cycle 1**	**Clean Cycle 2**	**Clean Cycle 3**	**Clean Cycle 4**	**Confirmatory 1**	**Confirmatory 2**		**Units**
Homocarb South											
Bottom one foot	Wipe	EW0212	ND								ug/100 cm²
Bottom one foot	Wipe	EW0213	ND								ug/100 cm²
Bottom one foot	Wipe	EW0214	3.9 J*								ug/100 cm²
Three to five feet	Wipe	EW0215	ND								ug/100 cm²
Three to five feet	Wipe	EW0216	31								ug/100 cm²
Three to five feet	Wipe	EW0217	ND								ug/100 cm²
Bottom one foot	Wipe	EW0360		5.3 J							ug/100 cm²
Bottom one foot	Wipe	EW0361		ND							ug/100 cm²
Bottom one foot	Wipe	EW0362		ND							ug/100 cm²
One foot verticle	Wipe	EW0979						ND			ug/100 cm²
Two feet horizontal	Wipe	EW0980						ND			ug/100 cm²
Homocarb Middle South	**Sample Type**	**Sample I.D. #**	**Initial Test**	**Clean Cycle 1**	**Clean Cycle 2**	**Clean Cycle 3**	**Clean Cycle 4**	**Confirmatory 1**	**Confirmatory 2**		**Units**
Bottom one foot	Wipe	EW0218	ND								ug/100 cm²
Bottom one foot	Wipe	EW0219	ND								ug/100 cm²
Bottom one foot	Wipe	EW0220	13*								ug/100 cm²
Three to five feet	Wipe	EW0221	ND								ug/100 cm²
Three to five feet	Wipe	EW0222	ND								ug/100 cm²
Three to five feet	Wipe	EW0223	ND								ug/100 cm²
Bottom one foot	Wipe	EW0363		4.8 J							ug/100 cm²
Bottom one foot	Wipe	EW0364		ND							ug/100 cm²
Bottom one foot	Wipe	EW0365		ND							ug/100 cm²
One foot verticle	Wipe	EW0977						ND			ug/100 cm²
Two feet horizontal	Wipe	EW0978						ND			ug/100 cm²
Homocarb Middle North	**Sample Type**	**Sample I.D. #**	**Initial Test**	**Clean Cycle 1**	**Clean Cycle 2**	**Clean Cycle 3**	**Clean Cycle 4**	**Confirmatory 1**	**Confirmatory 2**		**Units**
Bottom one foot	Wipe	EW0224	64 E								ug/100 cm²
Bottom one foot	Wipe	EW0225	30								ug/100 cm²

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Bottom one foot	Wipe	EW0226	ND							ug/100 cm²
Three feet	Wipe	EW0227	ND							ug/100 cm²
Bottom one foot	Wipe	EW0366		240 E						ug/100 cm²
Bottom one foot	Wipe	EW0367		12						ug/100 cm²
Bottom one foot	Wipe	EW0368		4.6 J						ug/100 cm²
One foot	Wipe	EW0400			ND					ug/100 cm²
One foot	Wipe	EW0401			2.8 J					ug/100 cm²
One foot verticle	Wipe	EW0975						ND		ug/100 cm²
Two feet horizontal	Wipe	EW0976						ND		ug/100 cm²
Homocarb North	**Sample Type**	**Sample I.D. #**	**Initial Test**	**Clean Cycle 1**	**Clean Cycle 2**	**Clean Cycle 3**	**Clean Cycle 4**	**Confirmatory 1**	**Confirmatory 2**	**Units**
One foot	Wipe	EW0973						ND		ug/100 cm²
Two foot horizontal	Wipe	EW0974						ND		ug/100 cm²
16. 36" Rotary Furnaces and Quench Chamber	**Sample Type**	**Sample I.D. #**	**Initial Test**	**Clean Cycle 1**	**Clean Cycle 2**	**Clean Cycle 3**	**Clean Cycle 4**	**Confirmatory 1**	**Confirmatory 2**	**Units**
Three to five feet verticle surface	Wipe	EW0174	ND							ug/100 cm²
Three to five feet verticle surface	Wipe	EW0186	1.9 J							ug/100 cm²
Three to five feet verticle surface	Wipe	EW0187	3.5 J							ug/100 cm²
Three to five feet verticle surface	Wipe	EW0188	2.2 J							ug/100 cm²
Three to five feet verticle surface	Wipe	EW0189	ND							ug/100 cm²
Horizontal surface above electrical box	Wipe	EW0175	ND							ug/100 cm²
Bottom one foot	Wipe	EW0176	66*							ug/100 cm²
Eight feet	Wipe	EW0177	ND							ug/100 cm²
Ten feet horizontal surface	Wipe	EW0182	4.7 J							ug/100 cm²
Ten feet horizontal surface	Wipe	EW0183	ND							ug/100 cm²
Ten feet horizontal surface	Wipe	EW0184	ND							ug/100 cm²
Ten feet horizontal surface	Wipe	EW0185	ND							ug/100 cm²
Three to five feet verticle surface	Wipe	EW0282		26						ug/100 cm²
Three to five feet verticle surface	Wipe	EW0283		19						ug/100 cm²
Bottom one foot	Wipe	EW0280		13						ug/100 cm²
Bottom one foot	Wipe	EW0281		49 E						ug/100 cm²
Five to six feet	Wipe	EW0284		18						ug/100 cm²
Five to six feet	Wipe	EW0285		6.8 J						ug/100 cm²
One foot	Wipe	EW0382			6.2 J					ug/100 cm²
One foot	Wipe	EW0383			5.0 J					ug/100 cm²
Four feet	Wipe	EW0384			ND					ug/100 cm²
Four feet	Wipe	EW0385			ND					ug/100 cm²
Four foot horizontal surface	Wipe	EW0957						17		ug/100 cm²
One foot verticle	Wipe	EW0958						ND		ug/100 cm²
Four feet horizontal under alarm	Wipe	EW0959						ND		ug/100 cm²
Four feet horizontal	Wipe	EW1009							8.7	ug/100 cm²
Four feet horizontal	Wipe	EW1010							11	ug/100 cm²
Four feet horizontal	Wipe	EW1421							ND	ug/100 cm²
17. Three Flat Quench Presses	**Sample Type**	**Sample I.D. #**	**Initial Test**	**Clean Cycle 1**	**Clean Cycle 2**	**Clean Cycle 3**	**Clean Cycle 4**	**Confirmatory 1**	**Confirmatory 2**	**Units**
Press ring from Flat Press after decon for – shipment to Wisconsin	Wipe	EW104	ND							ug/100 cm²
Flat Quench Press South	**Sample Type**	**Sample I.D. #**	**Initial Test**	**Clean Cycle 1**	**Clean Cycle 2**	**Clean Cycle 3**	**Clean Cycle 4**	**Confirmatory 1**	**Confirmatory 2**	**Units**
Bottom one foot	Wipe	EW0237	ND							ug/100 cm²
Bottom one foot	Wipe	EW0238	6.4 J							ug/100 cm²
Bottom one foot	Wipe	EW0239	7.9 J							ug/100 cm²
Bottom one foot	Wipe	EW0328		20						ug/100 cm²
Bottom one foot	Wipe	EW0329		33						ug/100 cm²
One foot	Wipe	EW0398		ND						ug/100 cm²
One foot	Wipe	EW0399		6.0 J						ug/100 cm²
One foot	Wipe	EW0454			1.5 J					ug/100 cm²
One foot	Wipe	EW0455			4.9 J					ug/100 cm²
One foot	Wipe	EW0456			4.9 J					ug/100 cm²
One foot verticle	Wipe	EW0969						ND		ug/100 cm²
Three feet horizontal	Wipe	EW0970						4.4 J		ug/100 cm²

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Flat Quench Press Middle	Sample Type	Sample I.D. #	Initial Test	Clean Cycle 1	Clean Cycle 2	Clean Cycle 3	Clean Cycle 4	Confirmatory 1	Confirmatory 2	Units
Bottom one foot	Wipe	EW0240	8.1							ug/100 cm²
Bottom one foot	Wipe	EW0241	29							ug/100 cm²
Bottom one foot	Wipe	EW0242	24							ug/100 cm²
Bottom one foot	Wipe	EW0330		12						ug/100 cm²
Bottom one foot	Wipe	EW0331		10						ug/100 cm²
One foot	Wipe	EW0395		ND						ug/100 cm²
One foot	Wipe	EW0396		ND						ug/100 cm²
One foot	Wipe	EW0451			4.3 J					ug/100 cm²
One foot verticle	Wipe	EW0967						ND		ug/100 cm²
Four feet verticle	Wipe	EW0966						16		ug/100 cm²
Four feet verticle	Wipe	EW1420						ND		ug/100 cm²
Flat Quench Press North	**Sample Type**	**Sample I.D. #**	**Initial Test**	**Clean Cycle 1**	**Clean Cycle 2**	**Clean Cycle 3**	**Clean Cycle 4**	**Confirmatory 1**	**Confirmatory 2**	**Units**
Bottom one foot	Wipe	EW0243	8.5							ug/100 cm²
Bottom one foot	Wipe	EW0244	150 E							ug/100 cm²
Bottom one foot	Wipe	EW0245	37							ug/100 cm²
Bottom one foot	Wipe	EW0246	15							ug/100 cm²
Bottom one foot	Wipe	EW0232		13						ug/100 cm²
Bottom one foot	Wipe	EW0333		25						ug/100 cm²
Bottom one foot	Wipe	EW0328		20						ug/100 cm²
Bottom one foot	Wipe	EW0332		13						ug/100 cm²
One foot	Wipe	EW0394		7.5 J						ug/100 cm²
One foot	Wipe	EW0397		8.1						ug/100 cm²
One foot	Wipe	EW0448			5.8 J					ug/100 cm²
One foot	Wipe	EW0449			14					ug/100 cm²
Three feet	Wipe	EW0450			3.1 J					ug/100 cm²
Three feet horizontal	Wipe	EW0965						16		ug/100 cm²
One foot verticle	Wipe	EW0966						ND		ug/100 cm²
Four foot horizontal	Wipe	EW1011							5.2 J	ug/100 cm²
Three foot verticle	Wipe	EW1012							ND	ug/100 cm²
16 24" Rotary Furnace	**Sample Type**	**Sample I.D. #**	**Initial Test**	**Clean Cycle 1**	**Clean Cycle 2**	**Clean Cycle 3**	**Clean Cycle 4**	**Confirmatory 1**	**Confirmatory 2**	**Units**
Bottom one foot	Wipe	EW0179	6.7 J*							ug/100 cm²
Bottom one foot	Wipe	EW0190	ND							ug/100 cm²
Bottom one foot	Wipe	EW0191	7.8 J							ug/100 cm²
Bottom one foot	Wipe	EW0192	ND							ug/100 cm²
Bottom one foot	Wipe	EW0193	15							ug/100 cm²
Seven feet	Wipe	EW0176	ND							ug/100 cm²
Nine feet	Wipe	EW0180	ND							ug/100 cm²
Two feet	Wipe	EW0161	ND							ug/100 cm²
Bottom one foot	Wipe	EW0288		4.8 J						ug/100 cm²
Bottom one foot	Wipe	EW0290		ND						ug/100 cm²
Bottom one foot	Wipe	EW0286		130 E						ug/100 cm²
Bottom one foot	Wipe	EW0287		13						ug/100 cm²
Bottom one foot	Wipe	EW0289		100 E						ug/100 cm²
One foot	Wipe	EW0386			4.0 J					ug/100 cm²
One foot	Wipe	EW0387			5.8 J					ug/100 cm²
Four feet	Wipe	EW0388			ND					ug/100 cm²
Six feet	Wipe	EW0389			ND					ug/100 cm²
Bottom one foot verticle	Wipe	EW0960						ND		ug/100 cm²
Four feet verticle left of alarm	Wipe	EW0961						ND		ug/100 cm²
Three feet piping apparatus	Wipe	EW0962						ND		ug/100 cm²
18 20" Rotary Furnace	**Sample Type**	**Sample I.D. #**	**Initial Test**	**Clean Cycle 1**	**Clean Cycle 2**	**Clean Cycle 3**	**Clean Cycle 4**	**Confirmatory 1**	**Confirmatory 2**	**Units**
Bottom one foot	Wipe	EW0291		5.4 J						ug/100 cm²
Bottom one foot	Wipe	EW0293		2.4 J						ug/100 cm²
Three to five feet	Wipe	EW0292		7.7 J						ug/100 cm²
Three to five feet	Wipe	EW0294		45 E						ug/100 cm²
Three to five feet	Wipe	EW0295		3.5 J						ug/100 cm²
One foot	Wipe	EW0390			2.8 J					ug/100 cm²
One foot	Wipe	EW0391			2.9 J					ug/100 cm²
Four feet	Wipe	EW0392			ND					ug/100 cm²

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Six feet	Wipe	EW0393		ND				ug/100 cm²
Two feet verticle	Wipe	EW0948					ND	ug/100 cm²
Five feet verticle	Wipe	EW0949					ND	ug/100 cm²
Two foot piping apparatus	Wipe	EW0950					ND	ug/100 cm²
20 13 Rectifiers and Rack	**Sample Type**	**Sample I.D. #**	**Initial Test**	**Clean Cycle 1**	**Clean Cycle 2**	**Clean Cycle 3**	**Clean Cycle 4**	**Confirmatory 1**	**Confirmatory 2**	**Units**
Bottom one foot	Wipe	EW0320	8.5							ug/100 cm²
Bottom one foot	Wipe	EW0321	6.8 J							ug/100 cm²
Three to five feet	Wipe	EW0322	5.4 J							ug/100 cm²
Three to five feet	Wipe	EW0323	4.6 J							ug/100 cm²
Three to five feet	Wipe	EW0324	ND							ug/100 cm²
Three to five feet	Wipe	EW0325	3.6 J							ug/100 cm²
Bottom one foot	Wipe	EW1414						ND		ug/100 cm²
Four feet verticle	Wipe	EW1415						ND		ug/100 cm²
21 Andco Treatment System	**Sample Type**	**Sample I.D. #**	**Initial Test**	**Clean Cycle 1**	**Clean Cycle 2**	**Clean Cycle 3**	**Clean Cycle 4**	**Confirmatory 1**	**Confirmatory 2**	**Units**
Top west plastic tank	Wipe	EW0350		2.4 J						ug/100 cm²
Top west plastic tank	Wipe	EW0351		ND						ug/100 cm²
Top east plastic tank	Wipe	EW0352		ND						ug/100 cm²
Top east plastic tank	Wipe	EW0353		ND						ug/100 cm²
Filter press contol system, 5'	Wipe	EW0995						4.0 J		ug/100 cm²
Control panel, five feet verticle	Wipe	EW0996						ND		ug/100 cm²
22 Deep Freeze Unit	**Sample Type**	**Sample I.D. #**	**Initial Test**	**Clean Cycle 1**	**Clean Cycle 2**	**Clean Cycle 3**	**Clean Cycle 4**	**Confirmatory 1**	**Confirmatory 2**	**Units**
Bottom one foot	Wipe	EW0270	37*							ug/100 cm²
Bottom one foot	Wipe	EW0271	ND							ug/100 cm²
Bottom one foot	Wipe	EW0272	ND							ug/100 cm²
Bottom one foot	Wipe	EW0273	ND							ug/100 cm²
Three to four feet	Wipe	EW0274	31*							ug/100 cm²
Three to four feet	Wipe	EW0275	4.4 J*							ug/100 cm²
Three to four feet	Wipe	EW0276	16*							ug/100 cm²
Three to four feet	Wipe	EW0277	ND							ug/100 cm²
Bottom one foot	Wipe	EW0336		ND						ug/100 cm²
Bottom one foot	Wipe	EW0339		2.8 J						ug/100 cm²
Three to four feet	Wipe	EW0340		3.6 J						ug/100 cm²
One foot	Wipe	EW0402		ND						ug/100 cm²
Four feet	Wipe	EW0423		ND						ug/100 cm²
One foot	Wipe	EW0918						ND		ug/100 cm²
Top horizontal surface	Wipe	EW0919						ND		ug/100 cm²
Two feet verticle	Wipe	EW0920						ND		ug/100 cm²
Bottom one foot	Wipe	EW0918						ND		ug/100 cm²
Top horizontal surface	Wipe	EW0919						ND		ug/100 cm²
Two feet verticle	Wipe	EW0920						ND		ug/100 cm²
23 Wheelabrator Parts Cleaner (3 components)	**Sample Type**	**Sample I.D. #**	**Initial Test**	**Clean Cycle 1**	**Clean Cycle 2**	**Clean Cycle 3**	**Clean Cycle 4**			**Units**
Wheelabrator North										
Base	Wipe	EW0194	ND							ug/100 cm²
Base	Wipe	EW0195	11							ug/100 cm²
Base	Wipe	EW0206	ND							ug/100 cm²
Five feet	Wipe	EW0200	ND							ug/100 cm²
Five feet	Wipe	EW0201	ND							ug/100 cm²
Base	Wipe	EW0296		11						ug/100 cm²
Base	Wipe	EW0297		12						ug/100 cm²
One foot	Wipe	EW0412		ND						ug/100 cm²
Four feet	Wipe	EW0413		ND						ug/100 cm²
One foot	Wipe	EW0921						ND		ug/100 cm²
Six feet verticle surface	Wipe	EW0922						ND		ug/100 cm²
Bottom one foot	Wipe	EW0921						ND		ug/100 cm²
Six feet verticle	Wipe	EW0922						ND		ug/100 cm²
Wheelabrator West	**Sample Type**	**Sample I.D. #**	**Initial Test**	**Clean Cycle 1**	**Clean Cycle 2**	**Clean Cycle 3**	**Clean Cycle 4**	**Confirmatory 1**	**Confirmatory 2**	**Units**
Base	Wipe	EW0196	8.6*							ug/100 cm²
Base	Wipe	EW0197	ND							ug/100 cm²

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Base	Wipe	EW0207	ND					ug/100 cm²
Five feet	Wipe	EW0202	11*					ug/100 cm²
Five feet	Wipe	EW0203	ND					ug/100 cm²
Base	Wipe	EW0300		8.0 J				ug/100 cm²
Base	Wipe	EW0301		18				ug/100 cm²
One foot	Wipe	EW0404		ND				ug/100 cm²
Four feet	Wipe	EW0405		ND				ug/100 cm²
Bottom one foot	Wipe	EW0923					ND	ug/100 cm²
Three feet verticle	Wipe	EW0924					ND	ug/100 cm²
Wheelabrator East	**Sample Type**	**Sample I.D. #**	**Initial Test**	**Clean Cycle 1**	**Clean Cycle 2**	**Clean Cycle 3**	**Clean Cycle 4**	**Confirmatory 1**	**Confirmatory 2**	**Units**
Base	Wipe	EW0198	21							ug/100 cm²
Base	Wipe	EW0199	ND							ug/100 cm²
Five feet	Wipe	EW0204	3.6 J*							ug/100 cm²
Five feet	Wipe	EW0205	ND							ug/100 cm²
Base	Wipe	EW0298		3.4 J						ug/100 cm²
Base	Wipe	EW0299		6.3 J						ug/100 cm²
Five feet horizontal	Wipe	EW0834			ND					ug/100 cm²
Four feet horizontal	Wipe	EW0835			36					ug/100 cm²
Four feet verticle	Wipe	EW0836			ND					ug/100 cm²
Three feet horizontal	Wipe	EW0839			ND					ug/100 cm²
Bottom one foot	Wipe	EW0925						ND		ug/100 cm²
Six feet horizontal	Wipe	EW0926						ND		ug/100 cm²
24 Hartman Stacker	**Sample Type**	**Sample I.D. #**	**Initial Test**	**Clean Cycle 1**	**Clean Cycle 2**	**Clean Cycle 3**	**Clean Cycle 4**			**Units**
Bottom one foot	Wipe	EW0305		15						ug/100 cm²
Bottom one foot	Wipe	EW0308		3.0 J						ug/100 cm²
Bottom one foot	Wipe	EW0311		ND						ug/100 cm²
Three feet	Wipe	EW0312		6.1 J						ug/100 cm²
Three feet	Wipe	EW0309		10						ug/100 cm²
Three feet	Wipe	EW0306		6.4 J						ug/100 cm²
Six feet	Wipe	EW0307		2.3 J						ug/100 cm²
Six feet	Wipe	EW0310		17						ug/100 cm²
Six feet	Wipe	EW0313		1.8 J						ug/100 cm²
Lift component	Wipe	EW0318		5.1 J						ug/100 cm²
Lift component	Wipe	EW0319		4.4 J						ug/100 cm²
One foot	Wipe	EW0406			5.2 J					ug/100 cm²
One foot	Wipe	EW0407			1.8 J					ug/100 cm²
One foot	Wipe	EW0408			5.3 J					ug/100 cm²
Four feet	Wipe	EW0409			ND					ug/100 cm²
Six feet	Wipe	EW0410			ND					ug/100 cm²
Nine feet	Wipe	EW0411			2.2 J					ug/100 cm²
Nine feet	Wipe	EW0418			ND					ug/100 cm²
Six" horizontal	Wipe	EW0993						ND		ug/100 cm²
Four feet horizontal	Wipe	EW0994						ND		ug/100 cm²
25 Steel Plates, Floor Trenches and Trench Covers	**Sample Type**	**Sample I.D. #**	**Initial Test**	**Clean Cycle 1**	**Clean Cycle 2**	**Clean Cycle 3**	**Clean Cycle 4**			**Units**
Plate south of Transition door (underside)	Wipe	FW0314		9.7						ug/100 cm²
Plate south of Transition door	Wipe	FW0315		16						ug/100 cm²
Plate near Transition door (underside)	Wipe	FW0318		7.4 J						ug/100 cm²
Plate near Transition door	Wipe	FW0317		5.6 J						ug/100 cm²
Plate north of small TCE Unit (underside)	Wipe	FW0341		1.3 J						ug/100 cm²
Plate north of small TCE Unit	Wipe	FW0342		4.5 J						ug/100 cm²
Plate	Wipe	FW0789		36						ug/100 cm²
Plate	Wipe	FW0790		17						ug/100 cm²
Plate	Wipe	FW0791		13						ug/100 cm²
Plate	Wipe	FW0792		11						ug/100 cm²
Plate	Wipe	FW0793		16						ug/100 cm²
Plate	Wipe	FW0794		5.4 J						ug/100 cm²
Plate	Wipe	FW0795		25						ug/100 cm²
Plate	Wipe	FW0796		110 E						ug/100 cm²
Plate	Wipe	FW0797		36						ug/100 cm²
Plate	Wipe	FW0798		6.3						ug/100 cm²

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Plate	Wipe	FW0799		8.6						ug/100 cm²
Plate	Wipe	FW0800		8.6						ug/100 cm²
Plate	Wipe	FW0801		38						ug/100 cm²
Plate	Wipe	FW0802		93 E						ug/100 cm²
Plate	Wipe	FW0803		190 E						ug/100 cm²
Plate	Wipe	FW0804		12						ug/100 cm²
Plate	Wipe	FW0805		34						ug/100 cm²
Fixed plate west of middle north Homocarb	Wipe	FW1079		30						ug/100 cm²
Fixed plate west of Main quench tank	Wipe	FW1089		2.8 J						ug/100 cm²
Fixed plate north of Large TCE Vapor Degreaser	Wipe	FW1090		5.4 J						ug/100 cm²
Fixed plate south of Large TCE Vapor Degreaser	Wipe	FW1091		6.0 J						ug/100 cm²
Fixed plate north of stairway to basement	Wipe	FW1092		9.7						ug/100 cm²
Fixed plate near wheelabrator north	Wipe	FW0933		21						ug/100 cm²
Fixed plate near wheelabrator north	Wipe	FW0934		ND						ug/100 cm²
Plate near east Normalizing furnace	Wipe	FW0935		2.6 J						ug/100 cm²
Plate near Deep Freeze Unit	Wipe	FW0936		13						ug/100 cm²
Plate near east Normalizing furnace	Wipe	FW0929		ND						ug/100 cm²
Plate westward interior plating line	Wipe	FW0951		7.0 J						ug/100 cm²
Plate westward interior plating line	Wipe	FW0952		ND						ug/100 cm²
Plate westward exterior plating line	Wipe	FW0953		54 E						ug/100 cm²
Plate westward exterior plating line	Wipe	FW0954		8.9						ug/100 cm²
Plate westward exterior plating line	Wipe	FW0955		57 E						ug/100 cm²
Fixed plate westward exterior plating line	Wipe	FW0956		8.6						ug/100 cm²
Plate south of west garage entrance	Wipe	FW1144		3.5 J						ug/100 cm²
Plate south of west garage entrance	Wipe	FW1145		13						ug/100 cm²
Plate westward from north Homocarb	Wipe	FW1146		4.8 J						ug/100 cm²
Plate westward middle Homocarb	Wipe	FW1147		ND						ug/100 cm²
Plate west of small TCE around Normalizing furnace	Wipe	FW1148		3.2 J						ug/100 cm²
Fixed plate south of transition door	Wipe	FW1153			13					ug/100 cm²
Plate south of plating line	Wipe	FW1157			27					ug/100 cm²
Plate south of plating line	Wipe	FW1158			21					ug/100 cm²
Plate south of plating line	Wipe	FW1159			18					ug/100 cm²
Plate south of plating line	Wipe	FW1160			3.3 J					ug/100 cm²
Basement plate around large east sump	Wipe	FW1155				180 E				ug/100 cm²
Basement plate around large east sump	Wipe	FW1156				280 E				ug/100 cm²
Plate south of plating line	Wipe	FW1250				18				ug/100 cm²
Plate south of plating line	Wipe	FW1251				2.4 J				ug/100 cm²
Plate west of 36" furnace	Wipe	FW1151						2.6 J		ug/100 cm²
Plate west of 36" furnace	Wipe	FW1152						ND		ug/100 cm²
Plate northwest corner of Heat Treat	Wipe	FW1154						1.7 J		ug/100 cm²
Plate south of transition door	Wipe	FW1249						ND		ug/100 cm²
Plate near homocarb	Wipe	FW1015						ND		ug/100 cm²
Plate near homocarb	Wipe	FW1016						ND		ug/100 cm²
Plate near homocarb	Wipe	FW1017						ND		ug/100 cm²
Plate near homocarb	Wipe	FW1018						ND		ug/100 cm²
Plate west of large TCE degreaser	Wipe	FW1019						ND		ug/100 cm²
Plate west of homocarb	Wipe	FW1020						ND		ug/100 cm²
Plate west of homocarb	Wipe	FW1021						ND		ug/100 cm²
Plate from east–west row near Wheelabrator	Wipe	FW0946						ND		ug/100 cm²
Plate from east–west row near Wheelabrator	Wipe	FW0947						ND		ug/100 cm²
Plate south of plating line #1	Wipe	FW1545						17		ug/100 cm²
Plate south of plating line #4	Wipe	FW1546						34		ug/100 cm²
Plate south of plating line #7	Wipe	FW1547						48 E		ug/100 cm²

Square Quench Tank	Sample Type	Sample I.D. #	Initial Test	Clean Cycle 1	Clean Cycle 2	Clean Cycle 3	Clean Cycle 4	Confirmatory 1	Confirmatory 2	Units
Bottom one foot	Wipe	EW0326		27						ug/100 cm²
Bottom one foot	Wipe	EW0327		27						ug/100 cm²
One foot	Wipe	EW0414			1.5 J					ug/100 cm²
One foot	Wipe	EW0415			1.5 J					ug/100 cm²
Bottom one foot verticle	Wipe	EW0963						14		ug/100 cm²
Two feet verticle	Wipe	EW0964						ND		ug/100 cm²
One foot verticle	Wipe	EW1013							6.6 J	ug/100 cm²
Two feet verticle	Wipe	EW1014							5.6 J	ug/100 cm²

ND – Not detected at reported detection limit

27. Furniture Stored in Annex Building	Sample Type	Sample I.D. #	Initial Test	Clean Cycle 1	Clean Cycle 2	Clean Cycle 3	Clean Cycle 4	Confirmatory 1	Confirmatory 2	Units
Green steel cabinet	Wipe	EW0691	ND							ug/100 cm²
Five foot steel rack, bottom shelf	Wipe	EW0692	4.2 J*							ug/100 cm²
Blue steel rack "oil hardening" bottom shelf	Wipe	EW0693	11*							ug/100 cm²
Blue steel cabinet, bottom 6"	Wipe	EW0694	ND							ug/100 cm²
Blue 16" rack, bottom rack	Wipe	EW0695	ND							ug/100 cm²
Greenish blue rack with three foot rail	Wipe	EW0696	41E*							ug/100 cm²
Blue plating container, one foot	Wipe	EW0697	24							ug/100 cm²
Three door filing cabinet	Wipe	EW0698	ND							ug/100 cm²
Blue four foot apparatus (two gages on top)	Wipe	EW0699	ND							ug/100 cm²
Blue steel storage cabinet, handle	Wipe	EW0700	ND							ug/100 cm²
Blue four foot rack on green crate	Wipe	EW0701	12*							ug/100 cm²
Push cart with three racks	Wipe	EW0702	ND							ug/100 cm²
Blue storage cabinet, top	Wipe	EW0703	ND							ug/100 cm²
Blue three foot push cart with three racks	Wipe	EW0704	ND							ug/100 cm²
Toledo scale, one foot	Wipe	EW0705	19*							ug/100 cm²
Toledo scale, four feet	Wipe	EW0706	ND							ug/100 cm²
Three foot blue mixing bath, electrical box	Wipe	EW0707	ND							ug/100 cm²
Blue steel two shelf rack, sbc*	Wipe	EW0708	7.9 J*							ug/100 cm²
Steel brownishtwo shelf push cart, sbc*	Wipe	EW0709	22*							ug/100 cm²
Green filing cabinet	Wipe	EW0710	ND							ug/100 cm²
Toledo Scale	Wipe	EW1322						ND		ug/100 cm²
Green 6" rack	Wipe	EW1323						6.8 J*		ug/100 cm²
Blue filer	Wipe	EW1317						ND		ug/100 cm²
Blue plating bath	Wipe	EW1318						ND		ug/100 cm²
Brown table with squares	Wipe	EW1319						ND		ug/100 cm²
Blue five shelf rack	Wipe	EW1320						ND		ug/100 cm²
Blue five shelf rack	Wipe	EW1321						ND		ug/100 cm²
Blue File Cabinet	Wipe	EW1327						ND		ug/100 cm²
Blue Paint Cabinent Handles	Wipe	EW1328						ND		ug/100 cm²
Blue Paint Cabinet Handles	Wipe	EW1329						ND		ug/100 cm²
Blue Paint Cabinent Inside Shelf	Wipe	EW1330						4.2 J		ug/100 cm²

28. Ductwork to be Reinstalled	Sample Type	Sample I.D. #	Initial Test	Clean Cycle 1	Clean Cycle 2	Clean Cycle 3	Clean Cycle 4	Confirmatory 1	Confirmatory 2	Units

29. Baker Tank	Sample Type	Sample I.D. #	Initial Test	Clean Cycle 1	Clean Cycle 2	Clean Cycle 3	Clean Cycle 4	Confirmatory 1	Confirmatory 2	Units
Baker tank, floor	Wipe	EW1351	ND							ug/100 cm²
Baker tank, floor	Wipe	EW1352	ND							ug/100 cm²
Baker tank, floor	Wipe	EW1353	ND							ug/100 cm²
Baker tank, wall	Wipe	EW1354	ND							ug/100 cm²
Baker tank, wall	Wipe	EW1355	ND							ug/100 cm²
Baker tank, wall	Wipe	EW1356	ND							ug/100 cm²
Baker tank, wall	Wipe	EW1357	ND							ug/100 cm²
Baker tank, wall	Wipe	EW1358	ND							ug/100 cm²
Baker tank, wall	Wipe	EW1359	ND							ug/100 cm²
Baker tank floor	Wipe	EW1360	ND							ug/100 cm²

32. Waste Generated During Remediation	Sample Type	Sample I.D. #	Initial Test	Clean Cycle 1	Clean Cycle 2	Clean Cycle 3	Clean Cycle 4	Confirmatory 1	Confirmatory 2	Units
Wastewater Tanker #1 left from EP&S activities	Water	W0105	4.6							ppb
Wastewater Tanker #1 left from EP&S activities – after additional wastewater by Allwash	Water	W0106	86.0							ppb
Wastewater generated from personnel showers	Water	W0109	ND							ppb
Wastewater generated from personnel showers – tested August 29, 1992	Water	W1335	ND							ppb
Wastewater generated from personnel showers	Water	W0483	ND							ppb
Wastewater generated from personnel showers– 7/22/92	Water	W0661	ND							ppb
Water sample from tanker # 1	Water	W0135	4.5							ppb
Water sample from tanker # 1	Water	W0136	290							ppb
Water sample from tanker # 2	Water	W0137	23							ppb
Water sample from tanker # 2	Water	W0138	570							ppb
Wastewater generated from personnel showers – tested September 11, 1992	Water	W1413	ND							ppb

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Wastewater generated from personnel	Water	W1589	ND						ppb
Wastewater from floor cleaning machine	Water	W1588	10 E*						ppb
38 Air Monitoring for Health and Safety	**Sample Type**	**Sample I.D. #**	**Initial Test**	**Clean Cycle 1**	**Clean Cycle 2**	**Clean Cycle 3**	**Clean Cycle 4**	**Confirmatory 1**	**Confirmatory 2**	**Units**
Preremediation time weighted average air-quality sample from basement near mother tank	Florisil Tube	AT040F	ND							
	Florisil Tube	AT040B	ND							
	Florisil Tube	AT041F	ND							
	Florisil Tube	AT041B	ND							
Preremediation time weighted average air-quality sample from 1st floor near furnaces	Florisil Tube	AT042F	ND							
	Florisil Tube	AT042B	ND							
	Florisil Tube	AT043F	ND							
	Florisil Tube	AT043B	ND							
Preremediation time weighted average air-quality sample trip blank	Florisil Tube	AB044F	ND							
	Florisil Tube	AB044B	ND							
Sample during building decontamination, pump # 16, located inside exhust vent	Silica Tube	AT0373								
Sample during building decontamination, pump #E591, located in Heat Treat bldg near 20" rotary furnace	Charcoal Tube	AT0374								
Sample during building decontamination, pump # E591, located inside Heat Treat bldg near 20" rotary furnace	Silica Tube	AT0375								
Sample during building decontamination, pump # 5164, located inside room west of the Heat Treat area near exit	Charcoal Tube	AT0376								
Sample during building decontamination, pump # 5164, located inside room west of the Heat Treat area near exit	Silica Tube	AT0377								
Main floor of Heat Treat garage access way		AT0767								
Main floor of Heat Treat		AT0768								
Basement of Heat Treat during Florline grinding		AT0870								
Basement of Heat Treat during Florline grinding		AT0871								
First Floor Heat Treat		AT0872								
39 Basement Ceiling	**Sample Type**	**Sample I.D. #**	**Initial Test**	**Clean Cycle 1**	**Clean Cycle 2**	**Clean Cycle 3**	**Clean Cycle 4**	**Confirmatory 1**	**Confirmatory 2**	**Units**
Ceiling wipe	Wipe	CW0769		53 E						ug/100 cm²
Ceiling wipe	Wipe	CW0770		17						ug/100 cm²
Ceiling wipe	Wipe	CW0771		60 E						ug/100 cm²
Ceiling wipe	Wipe	CW0772		11						ug/100 cm²
Ceiling wipe	Wipe	CW0773		59 E						ug/100 cm²
Ceiling wipe	Wipe	CW0774		100 E						ug/100 cm²
Ceiling wipe	Wipe	CW0775		ND						ug/100 cm²
Ceiling wipe	Wipe	CW0776		26						ug/100 cm²
Ceiling wipe	Wipe	CW0777		3.7 J						ug/100 cm²
Ceiling wipe	Wipe	CW0778		ND						ug/100 cm²
Ceiling wipe	Wipe	CW0779		4.1 J						ug/100 cm²
Ceiling wipe	Wipe	CW0780		1600 E						ug/100 cm²
Ceiling wipe	Wipe	CW0781		5.7 J						ug/100 cm²
Ceiling wipe	Wipe	CW0782		29						ug/100 cm²
Ceiling wipe	Wipe	CW0783		150 E						ug/100 cm²
Ceiling wipe	Wipe	CW0784		4.4 J						ug/100 cm²
Ceiling wipe	Wipe	CW0785		2.5 J						ug/100 cm²
Ceiling wipe	Wipe	CW0786		4.8 J						ug/100 cm²
Ceiling wipe	Wipe	CW1046						8.5		ug/100 cm²
Ceiling wipe	Wipe	CW1047						140 E		ug/100 cm²
Ceiling wipe	Wipe	CW1048						ND		ug/100 cm²
Ceiling wipe	Wipe	CW1049						35		ug/100 cm²

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Ceiling wipe	Wipe	CW1050						4.3 J		ug/100 cm²
Ceiling wipe	Wipe	CW1051						4.4 J		ug/100 cm²
Ceiling wipe	Wipe	CW1052						55 E		ug/100 cm²
Ceiling wipe	Wipe	CW1053						240 E		ug/100 cm²
Ceiling wipe	Wipe	CW1054						2600 E		ug/100 cm²
Ceiling wipe	Wipe	CW1055						34		ug/100 cm²
Ceiling wipe	Wipe	CW1056						110 E		ug/100 cm²
Ceiling wipe	Wipe	CW1057						3.6 J		ug/100 cm²
Ceiling wipe	Wipe	CW1058						2.0 J		ug/100 cm²
Ceiling wipe	Wipe	CW1059						4.4 J		ug/100 cm²
Ceiling wipe	Wipe	CW1060						2.5 J		ug/100 cm²
Ceiling wipe	Wipe	CW1061						7.4 J		ug/100 cm²
Ceiling wipe	Wipe	CW1062						7.3 J		ug/100 cm²
Ceiling wipe	Wipe	CW1063						15		ug/100 cm²
Ceiling wipe	Wipe	CW1064						220 E		ug/100 cm²
Ceiling wipe	Wipe	CW1065						3.0 J		ug/100 cm²
Ceiling wipe	Wipe	CW1066						ND		ug/100 cm²
Ceiling wipe	Wipe	CW1067						1.5 J		ug/100 cm²
Ceiling wipe	Wipe	CW1068						ND		ug/100 cm²
Ceiling wipe	Wipe	CW1069						2.5 J		ug/100 cm²
38 Basement Walls	**Sample Type**	**Sample I.D. #**	**Initial Test**	**Clean Cycle 1**	**Clean Cycle 2**	**Clean Cycle 3**	**Clean Cycle 4**	**Confirmatory 1**	**Confirmatory 2**	**Units**
Basement North Wall	**Sample Type**	**Sample I.D. #**	**Initial Test**	**Clean Cycle 1**	**Clean Cycle 2**	**Clean Cycle 3**	**Clean Cycle 4**	**Confirmatory 1**	**Confirmatory 2**	**Units**
Pipe wipe	Wipe	WW0633	12							ug/100 cm²
Wall wipe	Wipe	WW0634	12							ug/100 cm²
Wall wipe	Wipe	WW0635	29							ug/100 cm²
Wall panel # 4	Wipe	WW0635	ND							ug/100 cm²
Electric panel	Wipe	WW0637	76							ug/100 cm²
Wall wipe	Wipe	WW0858		10						ug/100 cm²
Wall wipe	Wipe	WW0859		4.0 J						ug/100 cm²
Wall wipe	Wipe	WW0860		ND						ug/100 cm²
Wall wipe	Wipe	WW0861		ND						ug/100 cm²
Wall wipe	Wipe	WW0862		ND						ug/100 cm²
Wall wipe	Wipe	WW0863		17						ug/100 cm²
Wall wipe	Wipe	WW0864		19						ug/100 cm²
Wall wipe	Wipe	WW0865		21						ug/100 cm²
Wall wipe	Wipe	WW0866		10						ug/100 cm²
Wall wipe	Wipe	WW0867		ND						ug/100 cm²
Wall wipe	Wipe	WW0868		6.9 J						ug/100 cm²
Wall wipe	Wipe	WW0869		12						ug/100 cm²
Wall wipe	Wipe	WW1272						ND		ug/100 cm²
Wall wipe	Wipe	WW1273						3.2 J		ug/100 cm²
Wall wipe	Wipe	WW1274						12		ug/100 cm²
Wall wipe	Wipe	WW1275						6.6 J		ug/100 cm²
Wall wipe	Wipe	WW1276						2.9 J		ug/100 cm²
Wall wipe	Wipe	WW1277						24		ug/100 cm²
Wall wipe	Wipe	WW1278						13		ug/100 cm²
Wall wipe	Wipe	WW1279						8.4		ug/100 cm²
Wall wipe	Wipe	WW1280						20		ug/100 cm²
Wall wipe	Wipe	WW1281						24		ug/100 cm²
Wall wipe	Wipe	WW1282						21		ug/100 cm²
Wall wipe	Wipe	WW1283						11		ug/100 cm²
Wall wipe	Wipe	WW1284						13		ug/100 cm²
Wall wipe	Wipe	WW1285						9.5		ug/100 cm²
Basement South Wall	**Sample Type**	**Sample I.D. #**	**Initial Test**	**Clean Cycle 1**	**Clean Cycle 2**	**Clean Cycle 3**	**Clean Cycle 4**	**Confirmatory 1**	**Confirmatory 2**	**Units**
Wall wipe	Wipe	WW0643	ND							ug/100 cm²
Wall wipe	Wipe	WW0644	ND							ug/100 cm²
Wall wipe	Wipe	WW0646	3.7 J							ug/100 cm²
Pipe wipe	Wipe	WW0653	30							ug/100 cm²
Wall wipe	Wipe	WW0646		ND						ug/100 cm²
Wall wipe	Wipe	WW0647		4.0 J						ug/100 cm²

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Wall wipe	Wipe	WW0648		13						ug/100 cm²
Wall wipe	Wipe	WW0649		3.0 J						ug/100 cm²
Wall wipe	Wipe	WW0650		3.7 J						ug/100 cm²
Wall wipe	Wipe	WW0651		2.8 J						ug/100 cm²
Wall wipe	Wipe	WW0652		ND						ug/100 cm²
Wall wipe	Wipe	WW0653		ND						ug/100 cm²
Wall wipe	Wipe	WW0654		ND						ug/100 cm²
Wall wipe	Wipe	WW0655		ND						ug/100 cm²
Wall wipe	Wipe	WW0656		ND						ug/100 cm²
Wall wipe	Wipe	WW0657		2.5 J						ug/100 cm²
Wall wipe	Wipe	WW1258							18	ug/100 cm²
Wall wipe	Wipe	WW1259							7.3 J	ug/100 cm²
Wall wipe	Wipe	WW1260							4.9 J	ug/100 cm²
Wall wipe	Wipe	WW1261							3.1 J	ug/100 cm²
Wall wipe	Wipe	WW1262							3.0 J	ug/100 cm²
Wall wipe	Wipe	WW1263							2.4 J	ug/100 cm²
Wall wipe	Wipe	WW1264							2.4 J	ug/100 cm²
Wall wipe	Wipe	WW1265							2.1 J	ug/100 cm²
Wall wipe	Wipe	WW1266							ND	ug/100 cm²
Wall wipe	Wipe	WW1267							5.6 J	ug/100 cm²
Wall wipe	Wipe	WW1268							ND	ug/100 cm²
Wall wipe	Wipe	WW1269							ND	ug/100 cm²
Wall wipe	Wipe	WW1270							2.1 J	ug/100 cm²
Wall wipe	Wipe	WW1271							ND	ug/100 cm²
Basement East Wall	**Sample Type**	**Sample I.D. #**	**Initial Test**	**Clean Cycle 1**	**Clean Cycle 2**	**Clean Cycle 3**	**Clean Cycle 4**	**Confirmatory 1**	**Confirmatory 2**	**Units**
Pipe wipe	Wipe	WW0654	15							ug/100 cm²
Pipe wipe	Wipe	WW0655	53							ug/100 cm²
Wall wipe	Wipe	WW0655	25							ug/100 cm²
Pipe wipe	Wipe	WW0657	ND							ug/100 cm²
Wall wipe	Wipe	WW0655	ND							ug/100 cm²
Wall wipe	Wipe	WW0606		10						ug/100 cm²
Wall wipe	Wipe	WW0607		10						ug/100 cm²
Wall wipe	Wipe	WW0608		4.5 J						ug/100 cm²
Wall wipe	Wipe	WW0609		5.9 J						ug/100 cm²
Wall wipe	Wipe	WW0610		24						ug/100 cm²
Wall wipe	Wipe	WW0611		7.3 J						ug/100 cm²
Wall wipe	Wipe	WW0612		2.6 J						ug/100 cm²
Wall wipe	Wipe	WW0613		8.9						ug/100 cm²
Wall wipe	Wipe	WW0614		3.1 J						ug/100 cm²
Wall wipe	Wipe	WW0615		46 E						ug/100 cm²
Wall wipe	Wipe	WW0616		7.9 J						ug/100 cm²
Wall wipe	Wipe	WW0617		3.3 J						ug/100 cm²
Wall wipe	Wipe	WW0618		12						ug/100 cm²
Wall wipe	Wipe	WW1209							9.3	ug/100 cm²
Wall wipe	Wipe	WW1210							ND	ug/100 cm²
Wall wipe	Wipe	WW1211							3.5 J	ug/100 cm²
Wall wipe	Wipe	WW1212							7.0 J	ug/100 cm²
Wall wipe	Wipe	WW1213							5.6 J	ug/100 cm²
Wall wipe	Wipe	WW1214							5.1 J	ug/100 cm²
Wall wipe	Wipe	WW1215							6.1 J	ug/100 cm²
Wall wipe	Wipe	WW1216							17	ug/100 cm²
Wall wipe	Wipe	WW1217							5.1 J	ug/100 cm²
Wall wipe	Wipe	WW1218							4.7 J	ug/100 cm²
Wall wipe	Wipe	WW1219							34	ug/100 cm²
Wall wipe	Wipe	WW1220							ND	ug/100 cm²
Wall wipe	Wipe	WW1221							5.4 J	ug/100 cm²
Wall wipe	Wipe	WW1222							12	ug/100 cm²
Wall wipe	Wipe	WW1223							ND	ug/100 cm²
Wall wipe	Wipe	WW1224							3.1 J	ug/100 cm²
Wall wipe	Wipe	WW1225							ND	ug/100 cm²
Wall wipe	Wipe	WW1226							2.8 J	ug/100 cm²
Wall wipe	Wipe	WW1227							16	ug/100 cm²

ND–Not detected at reported detection limit

Basement West Wall	Sample Type	Sample I.D. #	Initial Test	Clean Cycle 1	Clean Cycle 2	Clean Cycle 3	Clean Cycle 4	Confirmatory 1	Confirmatory 2	Units
Wall wipe	Wipe	WW0638	22							ug/100 cm²
Pipe wipe	Wipe	WW0640	31							ug/100 cm²
Pipe wipe	Wipe	WW0642	17							ug/100 cm²
Wall wipe	Wipe	WW0819		2.8 J						ug/100 cm²
Wall wipe	Wipe	WW0820		7.2 J						ug/100 cm²
Wall wipe	Wipe	WW0821		5.6 J						ug/100 cm²
Wall wipe	Wipe	WW0822		4.2 J						ug/100 cm²
Wall wipe	Wipe	WW0823		3.0 J						ug/100 cm²
Wall wipe	Wipe	WW0824		3.1 J						ug/100 cm²
Wall wipe	Wipe	WW0825		100 E						ug/100 cm²
Wall wipe	Wipe	WW0826		4.4 J						ug/100 cm²
Wall wipe	Wipe	WW0827		10						ug/100 cm²
Wall wipe	Wipe	WW0828		8.5 J						ug/100 cm²
Wall wipe	Wipe	WW0829		ND						ug/100 cm²
Wall wipe	Wipe	WW0830		4.4 J						ug/100 cm²
Wall wipe	Wipe	WW1228						ND		ug/100 cm²
Wall wipe	Wipe	WW1229						5.6 J		ug/100 cm²
Wall wipe	Wipe	WW1230						ND		ug/100 cm²
Wall wipe	Wipe	WW1231						4.9 J		ug/100 cm²
Wall wipe	Wipe	WW1232						5.8 J		ug/100 cm²
Wall wipe	Wipe	WW1233						ND		ug/100 cm²
Wall wipe	Wipe	WW1234						5.2 J		ug/100 cm²
Wall wipe	Wipe	WW1235						5.1 J		ug/100 cm²
Wall wipe	Wipe	WW1236						3.1 J		ug/100 cm²
Wall wipe	Wipe	WW1237						7.7 J		ug/100 cm²
Wall wipe	Wipe	WW1238						6.6 J		ug/100 cm²
Wall wipe	Wipe	WW1239						5.4 J		ug/100 cm²
Wall wipe	Wipe	WW1240						69 E		ug/100 cm²
Wall wipe	Wipe	WW1241						4.4 J		ug/100 cm²
Wall wipe	Wipe	WW1242						7.2 J		ug/100 cm²
Wall wipe	Wipe	WW1243						4.9 J		ug/100 cm²
Wall wipe	Wipe	WW1244						6.1 J		ug/100 cm²
Wall wipe	Wipe	WW1245						ND		ug/100 cm²
Wall wipe	Wipe	WW1246						2.8 J		ug/100 cm²
37. Basement Floors	**Sample Type**	**Sample I.D. #**	**Initial Test**	**Clean Cycle 1**	**Clean Cycle 2**	**Clean Cycle 3**	**Clean Cycle 4**	**Confirmatory 1**	**Confirmatory 2**	**Units**
Floor wipe	Wipe	FW1070						ND		ug/100 cm²
Floor wipe	Wipe	FW1071						ND		ug/100 cm²
Floor wipe	Wipe	FW1072						ND		ug/100 cm²
Floor wipe	Wipe	FW1073						ND		ug/100 cm²
Floor wipe	Wipe	FW1074						ND		ug/100 cm²
Floor wipe	Wipe	FW1075						ND		ug/100 cm²
Floor wipe	Wipe	FW1076						ND		ug/100 cm²
Floor wipe	Wipe	FW1077						ND		ug/100 cm²
Floor wipe	Wipe	FW1078						ND		ug/100 cm²
Floor wipe	Wipe	FW1080						ND		ug/100 cm²
Floor wipe	Wipe	FW1081						ND		ug/100 cm²
Floor wipe	Wipe	FW1082						ND		ug/100 cm²
Floor wipe	Wipe	FW1083						ND		ug/100 cm²
Floor wipe	Wipe	FW1084						ND		ug/100 cm²
Floor wipe	Wipe	FW1085						ND		ug/100 cm²
Floor wipe	Wipe	FW1086						ND		ug/100 cm²
Floor wipe	Wipe	FW1087						ND		ug/100 cm²
Floor wipe	Wipe	FW1088						ND		ug/100 cm²
38. Basement Exhaust Ventilation Duct	**Sample Type**	**Sample I.D. #**	**Initial Test**	**Clean Cycle 1**	**Clean Cycle 2**	**Clean Cycle 3**	**Clean Cycle 4**	**Confirmatory 1**	**Confirmatory 2**	**Units**
Fan unit	Wipe	EW1305						ND		ug/100 cm²
Fan unit	Wipe	EW0306						ND		ug/100 cm²
40. Basement Piping and Equipment Appurtenances	**Sample Type**	**Sample I.D. #**	**Initial Test**	**Clean Cycle 1**	**Clean Cycle 2**	**Clean Cycle 3**	**Clean Cycle 4**	**Confirmatory 1**	**Confirmatory 2**	**Units**

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41. Basement Electrical Cabinents	Sample Type	Sample I.D. #	Initial Test	Clean Cycle 1	Clean Cycle 2	Clean Cycle 3	Clean Cycle 4	Confirmatory 1	Confirmatory 2	Units
480 volts, Induction Furnace	Wipe	EW1288						9.7		ug/100 cm²
Panel # 8508	Wipe	EW1289						ND		ug/100 cm²
Panel # 5	Wipe	EW1290						5.8 J		ug/100 cm²
Panel # 8501	Wipe	EW1291						4.0 J		ug/100 cm²
Panel # 8513	Wipe	EW1292						3.1 J		ug/100 cm²
Panel # 2	Wipe	EW1293						9.6		ug/100 cm²
42. Basement Mother Tank	**Sample Type**	**Sample I.D. #**	**Initial Test**	**Clean Cycle 1**	**Clean Cycle 2**	**Clean Cycle 3**	**Clean Cycle 4**	**Confirmatory 1**	**Confirmatory 2**	**Units**
Four feet verticle surface	Wipe	EW0659	300							ug/100 cm²
One foot verticle	Wipe	EW0660	300							ug/100 cm²
North side, four feet, verticle	Wipe	EW1294						9.9		ug/100 cm²
East side, one foot, verticle	Wipe	EW1295						5.9 J		ug/100 cm²
West side, one foot, verticle	Wipe	EW1296						29		ug/100 cm²
South side, four feet, verticle	Wipe	EW1297						ND		ug/100 cm²
Top cover of Mother tank	Wipe	EW1298						ND		ug/100 cm²
43. pH Adjustment Tank and Appurtenances	**Sample Type**	**Sample I.D. #**	**Initial Test**	**Clean Cycle 1**	**Clean Cycle 2**	**Clean Cycle 3**	**Clean Cycle 4**	**Confirmatory 1**	**Confirmatory 2**	**Units**
South east poly tank	Wipe	EW0645	6.6 J							ug/100 cm²
Southeast poly tank	Wipe	EW1301						ND		ug/100 cm²
Southeast poly tank	Wipe	EW1302						ND		ug/100 cm²
44. Return Water Tank	**Sample Type**	**Sample I.D. #**	**Initial Test**	**Clean Cycle 1**	**Clean Cycle 2**	**Clean Cycle 3**	**Clean Cycle 4**	**Confirmatory 1**	**Confirmatory 2**	**Units**
One foot verticle	Wipe	EW1303						3.0 J		ug/100 cm²
One foot verticle	Wipe	EW1304						3.4 J		ug/100 cm²
45. Three Basement Sumps	**Sample Type**	**Sample I.D. #**	**Initial Test**	**Clean Cycle 1**	**Clean Cycle 2**	**Clean Cycle 3**	**Clean Cycle 4**	**Confirmatory 1**	**Confirmatory 2**	**Units**
Unlined sump in southeast corner of basement	Sediment	SE090	110							ppm
Concrete lined sump along south wall in basement	Sediment	SE091	3,300							ppm
Soil beneath basement floor 4' east of mother tank	Soil	SS093	1,300							ppm
46. Four Homocarb Basement	**Sample Type**	**Sample I.D. #**	**Initial Test**	**Clean Cycle 1**	**Clean Cycle 2**	**Clean Cycle 3**	**Clean Cycle 4**	**Confirmatory 1**	**Confirmatory 2**	**Units**
North Homocarb										
Base of Homocarb	Wipe	EW0639	ND							ug/100 cm²
Bottom leg of Homocarb	Wipe	EW1286						ND		ug/100 cm²
North middle Homocarb	**Sample Type**	**Sample I.D. #**	**Initial Test**	**Clean Cycle 1**	**Clean Cycle 2**	**Clean Cycle 3**	**Clean Cycle 4**	**Confirmatory 1**	**Confirmatory 2**	**Units**
Base of Homocarb	Wipe	EW0641	44							ug/100 cm²
Bottom leg of Homocarb	Wipe	EW1287						ND		ug/100 cm²
South middle Homocarb	**Sample Type**	**Sample I.D. #**	**Initial Test**	**Clean Cycle 1**	**Clean Cycle 2**	**Clean Cycle 3**	**Clean Cycle 4**	**Confirmatory 1**	**Confirmatory 2**	**Units**
Bottom leg of Homocarb	Wipe	EW1299						ND		ug/100 cm²
South Homocarb	**Sample Type**	**Sample I.D. #**	**Initial Test**	**Clean Cycle 1**	**Clean Cycle 2**	**Clean Cycle 3**	**Clean Cycle 4**	**Confirmatory 1**	**Confirmatory 2**	**Units**
Bottom leg of Homocarb	Wipe	EW1300						ND		ug/100 cm²
Miscellaneous Equipment and Appurtenances	**Sample Type**	**Sample I.D. #**	**Initial Test**	**Clean Cycle 1**	**Clean Cycle 2**	**Clean Cycle 3**	**Clean Cycle 4**	**Confirmatory 1**	**Confirmatory 2**	**Units**
48. Interior Stairway	**Sample Type**	**Sample I.D. #**	**Initial Test**	**Clean Cycle 1**	**Clean Cycle 2**	**Clean Cycle 3**	**Clean Cycle 4**	**Confirmatory 1**	**Confirmatory 2**	**Units**
Stair tred to basement	Wipe	FW1098		160 E						ug/100 cm²
Stair tred to basement	Wipe	FW1149			10					ug/100 cm²
Stair tred to basement	Wipe	FW1150			23					ug/100 cm²
Stair tred to basement	Wipe	FW1203				32				ug/100 cm²
Stair tred to basement	Wipe	FW1204				47 E				ug/100 cm²
Stair tred to basement	Wipe	FW1247					ND			ug/100 cm²
Stair tred to basement	Wipe	FW1248					14			ug/100 cm²
Hand rail to basement	Wipe	WW1093						ND		ug/100 cm²
Stairway wall wipe to basement	Wipe	WW1095						ND		ug/100 cm²
Six inch kick plate around stairway to basement	Wipe	WW1096						10		ug/100 cm²

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Miscellaneous Samples	Sample Type	Sample I.D. #	Initial Test	Clean Cycle 1	Clean Cycle 2	Clean Cycle 3	Clean Cycle 4	Confirmatory 1	Confirmatory 2	Units
Quench oil from roller press in temp. press area	Oil	QO094	ND							ppm
Concrete Chip 10' north of Heat Treat Building – in front of overhead door on concrete roadway	Concrete Chip	CS095	0.27 *							ppm
Concrete Chip 10' north of Heat Treat Building – in front of overhead door on east end	Concrete Chip	CS096	0.096 J *							ppm
Water from large sump in basement	Water	W0110	ND							ppb
Quench Oil from ENSR Tanker Truck	Oil	QO0106		1.4 J						ppm
Quench Oil from ENSR Tanker Truck	Oil	QO1325	2.3							ppm
Mother Tank Oil after ENSR PCBx Process	Oil	QO1326	2.5							ppm
36" Rotary Quench Tank	Oil	QO1331						3.0		ppm
Q36 Flat Press	Oil	QO1332						2.6		ppm
Q537 Flat Press	Oil	QO1333						3.4		ppm
Q529 Flat Press	Oil	QO1334						2.3 J		ppm
Main Homocarb Quench Tank	Oil	QO1336						2.9		ppm
24" Rotary Pan	Oil	QO1337						6.6		ppm
Q529 9/4/92	Oil	QO1361							2.9	ppm
Q537 9/4/92	Oil	QO1362							3.9	ppm
Q36 9/4/92	Oil	QO1363							2.6	ppm
36" Rotary Quench Tank 9/4/92	Oil	QO1364							2.7	ppm
24" Rotary Pan 9/4/92	Oil	QO1365							4.3	ppm
Mother Tank 9/4/92	Oil	QO1366							2.7	ppm
Q529 Flat Press 9/18/92	Oil	QO1511							2.8	ppm
Q537 Flat Press 9/18/92	Oil	QO1512							2.7	ppm
Q36 Flat Press 9/18/92	Oil	QO1513							2.8	ppm
36" Rotary Quench Tank 9/18/92	Oil	QO1514							2.8	ppm
24" Rotary Pan 9/18/92	Oil	QO1515							2.8	ppm
Square Quench Tank 9/18/92	Oil	QO1516							4.8	ppm
Q529 Flat Press 9/24/92	Oil	QO1590							3.1	ppm
Q537 Flat Press 9/24/92	Oil	QO1591							3.0	ppm
Q36 Flat Press 9/24/92	Oil	QO1592							3.0	ppm
36" Rotary Quench Tank 9/24/92	Oil	QO1593							3.0	ppm
24" Rotary Pan 9/24/92	Oil	QO1594							5.8	ppm
Square Quench Tank 9/24/92	Oil	QO1595							3.0	ppm
Drum in basement with oil	Oil	QO1596	26							ppm
Production area, pulley on wood pallet	Wipe	EW0444	ND							ug/100 cm²
Production area fan motor on wood pallet	Wipe	EW0445	260							ug/100 cm²
Steel table in temporary Heat Treat	Wipe	EW0529	ND							ug/100 cm²
Steel table in temporary Heat Treat	Wipe	EW0530	ND							ug/100 cm²
Steel rack in temporary Heat Treat	Wipe	EW0532	12							ug/100 cm²
Steel rack in temporary Heat Treat	Wipe	EW0533	ND							ug/100 cm²
Steel rack in temporary Heat Treat	Wipe	EW0534	6.0 J							ug/100 cm²
Steel rack in temporary Heat Treat	Wipe	EW0535	ND							ug/100 cm²
Steel table in temporary Heat Treat	Wipe	EW0560		360						ug/100 cm²
Steel table in temporary Heat Treat	Wipe	EW0561		20						ug/100 cm²
Steel table in temporary Heat Treat	Wipe	EW0562		ND						ug/100 cm²
Steel table in temporary Heat Treat	Wipe	EW0563		39						ug/100 cm²
Table with hardness tester #1, temp Heat Treat	Wipe	EW0573		ND						ug/100 cm²
Table with hardness tester #2, temp Heat Treat	Wipe	EW0574		ND						ug/100 cm²
Hardness tester #1, temp Heat Treat	Wipe	EW0575		ND						ug/100 cm²
Hardness tester #2, temp Heat Treat	Wipe	EW0576		ND						ug/100 cm²
Mail table in temp Heat Treat	Wipe	EW0577		ND						ug/100 cm²
Paper holder in temp Heat Treat	Wipe	EW0578		ND						ug/100 cm²
Room divider, temp Heat Treat	Wipe	EW0579		ND						ug/100 cm²
Storage cabinet, temp Heat Treat	Wipe	EW0580		ND						ug/100 cm²
Vice on deck, temp Heat Treat	Wipe	EW0581		ND						ug/100 cm²
Oil tank, temp Heat Treat	Wipe	EW0582		ND						ug/100 cm²
Mobile work table, temp Heat Treat	Wipe	EW0583		ND						ug/100 cm²
Overhead door tracks	Wipe	EW0612		15						ug/100 cm²
Blue rack, temp Heat Treat	Wipe	EW0582			ND					ug/100 cm²
Blue rack, temp Heat Treat	Wipe	EW0583			11*					ug/100 cm²
Square metal rack, temp Heat Treat	Wipe	EW0664			ND					ug/100 cm²

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Square metal rack, temp Heat Treat	Wipe	EW0665			40*			ug/100 cm²
Blue rack, temp Heat Treat	Wipe	EW0666			170			ug/100 cm²
Blue rack, temp Heat Treat	Wipe	EW0667			ND			ug/100 cm²
Blue rack, temp Heat Treat	Wipe	EW0668			18*			ug/100 cm²
Blue square rack, temp Heat Treat	Wipe	EW0669			67			ug/100 cm²
Blue square rack, temp Heat Treat	Wipe	EW0670			40*			ug/100 cm²
1/2 ton Gardner Denver Crane	Wipe	EW1396				ND		ug/100 cm²
Homocarb motor	Wipe	EW1407				ND		ug/100 cm²
Blue steel rack from temp Heat Treat	Wipe	EW1408				ND		ug/100 cm²
Blue steel rack from temp Heat Treat	Wipe	EW1409				ND		ug/100 cm²
Brown steel rack from temp Heat Treat	Wipe	EW1410				ND		ug/100 cm²
Table painted blue with stone temp Heat Treat	Wipe	EW1411				ND		ug/100 cm²
Table painted blue with square vice temp Heat Treat	Wipe	EW1412				ND		ug/100 cm²
Wheel of Rupp lift	Wipe	EW0637		15				ug/100 cm²
Wheel of Rupp lift	Wipe	EW0638		18				ug/100 cm²
Soil sample from plating line	Soil	SS0988	24					ppm
Water tank near welding booth	Wipe	EW1022				ND		ug/100 cm²
Paint chips from ceiling above homocarb area	Pain chips	PT0279	47					ppm
Plating line south, two feet horizontal	Wipe	EW1416	100 E					ug/100 cm²
Plating line south, one foot verticle	Wipe	EW1429		ND				ug/100 cm²
Plating line south, horizontal	Wipe	EW1430		53 E				ug/100 cm²
Plating line middle, verticle	Wipe	EW1431		ND				ug/100 cm²
Plating line middle, horizontal	Wipe	EW1432		ND				ug/100 cm²
Plating line north, horizontal	Wipe	EW1445		ND				ug/100 cm²
Plating line north, horizontal	Wipe	EW1446		ND				ug/100 cm²
Plating line north, verticle	Wipe	EW1447		ND				ug/100 cm²
Red Oil pump in Heat Treat Basement	Wipe	EW1560	1600 E					ug/100 cm²
Red Oil pump in Heat Treat Basement	Wipe	EW1561	120 E					ug/100 cm²
Plating line south, horizontal	Wipe	EW1565				18		ug/100 cm²
Plating line south horizontal	Wipe	EW1566				5.0 J		ug/100 cm²
Plating line south, horizontal	Wipe	EW1597				11		ug/100 cm²
Plating line south, horizontal	Wipe	EW1598				ND		ug/100 cm²
Plating line south, horizontal	Wipe	EW1599					ND	ug/100 cm²
Plating line south, horizontal	Wipe	EW1600					ND	ug/100 cm²
Parking Lot Transformer Spill	**Sample Type**	**Sample I.D. #**	**Initial Test**	**Clean Cycle 1**	**Clean Cycle 2**	**Clean Cycle 3**	**Clean Cycle 4**	**Confirmatory 1**	**Confirmatory 2**	**Units**
Asphalt wipe sample near gate #4	Wipe	PW097	ND							ug/100 cm²
Asphalt wipe near gate #4	Wipe	PW098	2.0 J **							ug/100 cm²
Asphalt wipe near gate #4	Wipe	PW099	ND							ug/100 cm²
Asphalt Wipe near gate #4	Wipe	PW100	7.4 J **							ug/100 cm²
Asphalt wipe near gate #4	Wipe	PW101	8.4 **							ug/100 cm²
Asphalt Chip near gate #4	Asphalt Chip	PC102	0.14 J **							ppm
Asphalt Chip near gate #4	Asphalt Chip	PC103	0.44 J **							ppm
Roof Materials	**Sample Type**	**Sample I.D. #**	**Initial Test**	**Clean Cycle 1**	**Clean Cycle 2**	**Clean Cycle 3**	**Clean Cycle 4**	**Confirmatory 1**	**Confirmatory 2**	**Units**
Soil from Heat Treat Building Roof	Soil	SO107	43.0							ppm
North roof vent	Wipe	VW1307	50 E*							ug/100 cm²
Removed roof vent in Annex #EF1003	Wipe	VW1310	61**							ug/100 cm²
Removed roof vent in Annex #EF1904	Wipe	VW1311	70*							ug/100 cm²
Removed roof vent in Annex #EF1002	Wipe	VW1312	150**							ug/100 cm²
Removed roof vent in Annex #EF1901	Wipe	VW1313	190**							ug/100 cm²
Removed roof vent in Annex, top cap	Wipe	VW1314	ND							ug/100 cm²
Removed roof vent in Annex, top cap	Wipe	VW1315	ND							ug/100 cm²
Removed roof vent in Annex, top cap	Wipe	VW1316	5.4J							ug/100 cm²
Removed Dravo unit	Wipe	EW1308	4.2 J*							ug/100 cm²
Removed Dravo unit	Wipe	EW1309	ND							ug/100 cm²
Soil from Heat Treat Building Roof	Soil	SS0372	31							ug/100 cm²
Roof core for asbestos	Roofing	RC0525								ppm
Roof Flashing for Asbestos Analysis	Roofing	RC0587	5 % CH							percent
Roof Flashing for Asbestos Analysis	Roofing	RC0588	3 % CH							percent
Roof Flashing for Asbestos Analysis	Roofing	RC0589	1 % CH							percent
Duct Sealant for Asbestos Analysis	Roofing	RC0590	ND							percent
Flat Roofing Materials from Heat Treat Roof	Roofing	RC0591	ND							percent

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Flat Roofing Materials from Heat Treat Roof	Roofing	RC0592	ND			percent
Soil sample from roof vent	Soil	SS0647	63*			ppm
Soil sample from roof vent	Soil	SS0649	72*			ppm
Soil sample from roof vent	Soil	SS0649	20*			ppm
Soil sample from roof vent	Soil	SS0650	30*			ppm
Soil sample from roof drain	Soil	SS0651	10*			ppm
Soil sample from roof drain	Soil	SS0652	4.7J			ppm
Roof core of Heat Treat for Asbestos	Roofing	RC0711				percent
Roof core of Heat Treat for Asbestos	Roofing	RC0712				percent
Roof core of Heat Treat for Asbestos	Roofing	RC0713				percent
Roof core of Heat Treat for Asbestos	Roofing	RC0714				percent
Roof core of Heat Treat for Asbestos	Roofing	RC0715				percent
Roof core of Heat Treat for Asbestos	Roofing	RC0716				percent
Roof core of Heat Treat for Asbestos	Roofing	RC0717				percent
Vent wipe	Wipe	EW0766	4.6 J			ug/100 cm²
Soil sample from roof vent	Soil	SS0767	30 E*			ppm
Roof wipe of vapor barrier during after removal	Wipe	RW1344			ND	ug/100 cm²
Roof wipe of vapor barrier during after removal	Wipe	RW1345			ND	ug/100 cm²
Roof wipe of vapor barrier during after removal	Wipe	RW1346			ND	ug/100 cm²
Roof wipe of vapor barrier during after removal	Wipe	RW1367			ND	ug/100 cm²
Roof wipe of vapor barrier during after removal	Wipe	RW1368			ND	ug/100 cm²
Roof wipe of vapor barrier during after removal	Wipe	RW1369			ND	ug/100 cm²
Roof wipe of vapor barrier during after removal	Wipe	RW1370			ND	ug/100 cm²
Roof wipe of vapor barrier during after removal	Wipe	RW1371			ND	ug/100 cm²
Roof wipe of vapor barrier during after removal	Wipe	RW1372			ND	ug/100 cm²
Roof wipe of vapor barrier during after removal	Wipe	RW1394			ND	ug/100 cm²
Roof wipe of vapor barrier during after removal	Wipe	RW1403			ND	ug/100 cm²
Roof wipe of vapor barrier during after removal	Wipe	RW1404			ND	ug/100 cm²
Roof wipe of vapor barrier during after removal	Wipe	RW1405			ND	ug/100 cm²
Roof wipe of vapor barrier during after removal	Wipe	RW1406			ND	ug/100 cm²
Roof wipe of vapor barrier during after removal	Wipe	RW1422			ND	ug/100 cm²
Roof wipe of vapor barrier during after removal	Wipe	RW1223			ND	ug/100 cm²
Roof wipe of vapor barrier during after removal	Wipe	RW1424			ND	ug/100 cm²
Roof wipe of vapor barrier during after removal	Wipe	RW1425			ND	ug/100 cm²
Roof wipe of vapor barrier during after removal	Wipe	RW1426			ND	ug/100 cm²
Roof wipe of vapor barrier during after removal	Wipe	RW1427			ND	ug/100 cm²
Roof wipe of vapor barrier during after removal	Wipe	RW1428			ND	ug/100 cm²
Roof wipe of vapor barrier	Wipe	RW1450			ND	ug/100 cm²
Roof wipe of vapor barrier	Wipe	RW1451			ND	ug/100 cm²
Roof wipe of vapor barrier	Wipe	RW1452			ND	ug/100 cm²
Roof core, vermiculite base	Roofing	RC0208	ND			ppm
Roof core, top tar and felt	Roofing	RC0209	ND			ppm
Roof core, vermiculite base	Roofing	RC0210	3.7			ppm
Roof core, top tar and felt	Roofing	RC0211	1.7			ppm
Soil near roof vent # 1	Soil	SS0228	86**			ppm
Soil near roof vent # 2	Soil	SS0229	57*			ppm
Soil near roof vent # 3	Soil	SS0230	49*			ppm
Soil near roof vent # 4	Soil	SS0231	80*			ppm
Soil near roof vent # 5	Soil	SS0232	150*			ppm
Soil near roof vent # 6	Soil	SS0233	120*			ppm
Soil near roof vent # 7	Soil	SS0234	96*			ppm
Soil near roof vent # 8	Soil	SS0235	130*			ppm
Soil near roof vent # 9	Soil	SS0236	190**			ppm
Roof vent EF6401, on Heat Treat roof	Wipe	VW1395		ND		ug/100 cm²
Roof vent EF6402, on Heat Treat roof	Wipe	VW1396		ND		ug/100 cm²
Roof vent EF6403, on Heat Treat roof	Wipe	VW1397		14*		ug/100 cm²
Roof vent EF6409, on Heat Treat roof	Wipe	VW1398		17*		ug/100 cm²
Roof vent EF6408, on Heat Treat roof	Wipe	VW1399		34*		ug/100 cm²
Roof vent EF6406, on Heat Treat roof	Wipe	VW1400		ND		ug/100 cm²
Roof vent EF6405, on Heat Treat roof	Wipe	VW1401		ND		ug/100 cm²
Roof vent EF6404, on Heat Treat roof	Wipe	VW1402		ND		ug/100 cm²
Roof vent # 3, on Heat Treat roof	Wipe	VW1567			7.1 J*	ug/100 cm²
Roof vent # 4, on Heat Treat roof	Wipe	VW1568			9.0*	ug/100 cm²

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Roof vent # 5, on Heat Treat roof	Wipe	VW1569							11*		ug/100 cm²
Main Quench Tank	**Sample Type**	**Sample I.D. #**	**Initial Test**	**Clean Cycle 1**	**Clean Cycle 2**	**Clean Cycle 3**	**Clean Cycle 4**		**Confirmatory 1**	**Confirmatory 2**	**Units**
One foot	Wipe	EW0247	79 E								ug/100 cm²
One foot	Wipe	EW0248	ND								ug/100 cm²
One foot	Wipe	EW0249	13								ug/100 cm²
Four feet	Wipe	EW0250	18								ug/100 cm²
Four feet	Wipe	EW0251	27								ug/100 cm²
One foot	Wipe	EW0438		3.0 J							ug/100 cm²
One foot	Wipe	EW0439		83 E							ug/100 cm²
One foot	Wipe	EW0440		58 E							ug/100 cm²
Four feet	Wipe	EW0441		4.3 J							ug/100 cm²
Four feet	Wipe	EW0442		29							ug/100 cm²
Four feet	Wipe	EW0443		15							ug/100 cm²
One foot	Wipe	EW0476			190						ug/100 cm²
One foot	Wipe	EW0479			46						ug/100 cm²
One foot	Wipe	EW0480			58						ug/100 cm²
Four feet	Wipe	EW0481			9.4						ug/100 cm²
Four feet	Wipe	EW0482			13						ug/100 cm²
Four feet	Wipe	EW0484			12						ug/100 cm²
One foot	Wipe	EW0558				4.4 J					ug/100 cm²
One foot	Wipe	EW0559				21					ug/100 cm²
Four feet	Wipe	EW0566				17					ug/100 cm²
Four feet	Wipe	EW0567				9.4					ug/100 cm²
One foot	Wipe	EW0606					4.3 J				ug/100 cm²
One foot	Wipe	EW0607					ND				ug/100 cm²
Two feet	Wipe	EW0608					ND				ug/100 cm²
Two feet	Wipe	EW0609					5.8 J				ug/100 cm²
Four feet	Wipe	EW0610					ND				ug/100 cm²
One foot	Wipe	EW0971							43 E		ug/100 cm²
Three foot horizontal	Wipe	EW0972							4.4 J		ug/100 cm²
Contracor's Equipment	**Sample Type**	**Sample I.D. #**	**Initial Test**	**Clean Cycle 1**	**Clean Cycle 2**	**Clean Cycle 3**	**Clean Cycle 4**		**Confirmatory 1**	**Confirmatory 2**	**Units**
Allwash											
Black hose	Wipe	EW0593		9.8							ug/100 cm²
Diaphram pump	Wipe	EW0594		ND							ug/100 cm²
Galvanized wash tub	Wipe	EW0595		ND							ug/100 cm²
Small electric motor	Wipe	EW0596		ND							ug/100 cm²
Orange electric cord	Wipe	EW0597		ND							ug/100 cm²
Scaffolding legs	Wipe	EW0598		12							ug/100 cm²
Scaffolding cross arms	Wipe	EW0599		1.4 J							ug/100 cm²
Scaffolding platforms	Wipe	EW0600		ND							ug/100 cm²
Submersible pump	Wipe	EW0601		9.0							ug/100 cm²
Hanging light	Wipe	EW0602		ND							ug/100 cm²
Standing submersible pump	Wipe	EW0603		3.4 J							ug/100 cm²
Garden sprayers	Wipe	EW0634		ND							ug/100 cm²
Red air hose	Wipe	EW0636		ND							ug/100 cm²
Scaffolding leg	Wipe	EW0716			ND						ug/100 cm²
Scaffolding leg	Wipe	EW0719			4.4 J						ug/100 cm²
Shovel	Wipe	EW0720			4.1 J						ug/100 cm²
Squeegy	Wipe	EW0721			6.5 J						ug/100 cm²
Submersible sump	Wipe	EW0722			ND						ug/100 cm²
Shower filter	Wipe	EW0723			ND						ug/100 cm²
Teel upright pump	Wipe	EW0724			4.9 J						ug/100 cm²
Acid pump	Wipe	EW0725			ND						ug/100 cm²
Easco vacuum	Wipe	EW0726			5.8 J						ug/100 cm²
Aluminum wash tub	Wipe	EW0727			ND						ug/100 cm²
Fire extinguisher	Wipe	EW0728			ND						ug/100 cm²
Blue shop vacuum	Wipe	EW0729			7.0 J						ug/100 cm²
Silver Advance shop vacuum with white lid	Wipe	EW0730			ND						ug/100 cm²
Silver Advance shop vacuum with black lid	Wipe	EW0731			ND						ug/100 cm²
Red/black 6 gallon Dayton shop vacuum	Wipe	EW0732			ND						ug/100 cm²
Red garden sprayer	Wipe	EW0733			ND						ug/100 cm²

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Blue pneumatic diaphram pump	Wipe	EW0734			16				ug/100 cm²
Hanging lights	Wipe	EW0735			ND				ug/100 cm²
3-stage wastewater filter	Wipe	EW0736			ND				ug/100 cm²
Vacuum handles and brush handles	Wipe	EW0737			ND				ug/100 cm²
CAPSUR foamer	Wipe	EW0738			ND				ug/100 cm²
Red hose from CAPSUR foamer	Wipe	EW0739			22				ug/100 cm²
Organge electrical cord	Wipe	EW0740			ND				ug/100 cm²
Red pipe wrench	Wipe	EW0741			43 E				ug/100 cm²
Silver crescent wrench	Wipe	EW0742			9.8				ug/100 cm²
Rupp lift 600 11284, wheel	Wipe	EW1338		9.7					ug/100 cm²
Rupp lift 600 11284, platform	Wipe	EW1339		ND					ug/100 cm²
Rupp lift 600 11284, verticle surface	Wipe	EW1340		ND					ug/100 cm²
Rupp lift 600 11277, wheel	Wipe	EW1341		11					ug/100 cm²
Rupp lift 600 11277, platform	Wipe	EW1342		ND					ug/100 cm²
Rupp lift 600 11277, verticle surface	Wipe	EW1343		ND					ug/100 cm²
Rupp lift 600 11277, wheel	Wipe	EW1417			25				ug/100 cm²
Rupp lift 600 11280, wheel	Wipe	EW1418			12				ug/100 cm²
Rupp lift 600 11280, platform	Wipe	EW1419			ND				ug/100 cm²
Rupp lift 11280, wheel	Wipe	EW1448				23			ug/100 cm²
Rupp lift 11277, wheel	Wipe	EW1449				20			ug/100 cm²
Rupp lift 10453, platform	Wipe	EW1458		ND					ug/100 cm²
Microtrap #1	Wipe	EW1433		ND					ug/100 cm²
Microtrap #2	Wipe	EW1434		ND					ug/100 cm²
Microtrap #3	Wipe	EW1435		ND					ug/100 cm²
Microtrap #4	Wipe	EW1436		ND					ug/100 cm²
Microtrap #5	Wipe	EW1437		ND					ug/100 cm²
Microtrap #6	Wipe	EW1438		ND					ug/100 cm²
Microtrap #7	Wipe	EW1439		ND					ug/100 cm²
Microtrap #8	Wipe	EW1440		ND					ug/100 cm²
Microtrap #9	Wipe	EW1441		ND					ug/100 cm²
Microtrap #10	Wipe	EW1442		18					ug/100 cm²
Microtrap #11	Wipe	EW1443		ND					ug/100 cm²
Microtrap #12	Wipe	EW1444		ND					ug/100 cm²
Microtrap #10	Wipe	EW1458			ND				ug/100 cm²
Walk behind chop saw	Wipe	EW1453		ND					ug/100 cm²
Chop saw	Wipe	EW1454		ND					ug/100 cm²
Roof spud	Wipe	EW1455		ND					ug/100 cm²
Airless sprayer	Wipe	EW1457		ND					ug/100 cm²
Wheel barrel bucket	Wipe	EW1523						ND	ug/100 cm²
Scaffolding stair unit	Wipe	EW1524						ND	ug/100 cm²
Scaffolding stair unit	Wipe	EW1525						ND	ug/100 cm²
Wheel barrel wooden handle	Wipe	EW1526						ND	ug/100 cm²
Wheel barrel wheel	Wipe	EW1527						ND	ug/100 cm²
Light	Wipe	EW1544						ND	ug/100 cm²
HEPA vacuum # 1	Wipe	EW1570						ND	ug/100 cm²
HEPA vacuum # 2	Wipe	EW1571						ND	ug/100 cm²
HEPA vacuum # 3	Wipe	EW1572						ND	ug/100 cm²
Floriine	**Sample Type**	**Sample I.D. #**	**Initial Test**	**Clean Cycle 1**	**Clean Cycle 2**	**Clean Cycle 3**	**Clean Cycle 4**	**Confirmatory 1**	**Confirmatory 2**	**Units**
Blastrac vacuum wheel	Wipe	EW0673	15							ug/100 cm²
Blastrac vacuum verticle surface	Wipe	EW0674	ND							ug/100 cm²
Blastrac vacuum horizontal surface	Wipe	EW0675	6.8 J							ug/100 cm²
Blastrac vacuum black hose	Wipe	EW0676	ND							ug/100 cm²
Blastrac vacuum horizontal surface	Wipe	EW0677	4.4 J							ug/100 cm²
Blastrac blaster wheel	Wipe	EW0678	63 E							ug/100 cm²
Blastrac blaster black hose	Wipe	EW0679	ND							ug/100 cm²
Blastrac blaster verticle surface	Wipe	EW0680	12							ug/100 cm²
Blastrac blaster	Wipe	EW0681	ND							ug/100 cm²
Small Blastrac blaster verticle surface	Wipe	EW0682	ND							ug/100 cm²
Small Blastrac blaster handle	Wipe	EW0683	ND							ug/100 cm²
Jack hammer # 1	Wipe	EW0684	5.4 J							ug/100 cm²
Jack hammer # 2	Wipe	EW0685	3.5 J							ug/100 cm²
Jack hammer # 3	Wipe	EW0686	3.5 J							ug/100 cm²

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Catch basin for Blastrac vacuum	Wipe	EW0687	ND						ug/100 cm²
Right angle griner	Wipe	EW0688	8.5 J						ug/100 cm²
Mixer	Wipe	EW0689	ND						ug/100 cm²
Saw	Wipe	EW0690	ND						ug/100 cm²
Mixer wheel	Wipe	EW0691	ND						ug/100 cm²
Saw handle	Wipe	EW0692	ND						ug/100 cm²
Blastrac vacuum	Wipe	EW1122						4.3 J	ug/100 cm²
Blastrac vacuum	Wipe	EW1123						5.4 J	ug/100 cm²
Blastrac blaster	Wipe	EW1126						30	ug/100 cm²
Blastrac blaster	Wipe	EW1127						1.7 J	ug/100 cm²
Welding Booth	**Sample Type**	**Sample I.D. #**	**Initial Test**	**Clean Cycle 1**	**Clean Cycle 2**	**Clean Cycle 3**	**Clean Cycle 4**	**Confirmatory 1**	**Confirmatory 2**	**Units**
Bottom one foot	Wipe	EW0519		3.4 J						ug/100 cm²
Three feet	Wipe	EW0520		3.3 J						ug/100 cm²
Welding booth	Wipe	EW1001						ND		ug/100 cm²
Basement southwest room from Heat Treat	**Sample Type**	**Sample I.D. #**	**Initial Test**	**Clean Cycle 1**	**Clean Cycle 2**	**Clean Cycle 3**	**Clean Cycle 4**	**Confirmatory 1**	**Confirmatory 2**	**Units**
Green steel rack	Wipe	EW0671	36							ug/100 cm²
Green steel rack	Wipe	EW0672	15							ug/100 cm²
Metal rack	Wipe	EW0673	81							ug/100 cm²
Metal rack	Wipe	EW0674	20							ug/100 cm²
Steel rack	Wipe	EW0675	ND							ug/100 cm²
Steel rack	Wipe	EW0676	ND							ug/100 cm²
Middle steel rack	Wipe	EW0677	8.7							ug/100 cm²
Middle steel rack	Wipe	EW0678	ND							ug/100 cm²
Lift	Wipe	EW0679	27							ug/100 cm²
Lift	Wipe	EW0680	12							ug/100 cm²
Steel rack	Wipe	EW0681	9.6							ug/100 cm²
Tall green steel rack	Wipe	EW0682	7.7 J							ug/100 cm²
South side of door leaving Heat Treat	Wipe	EW0683	ND							ug/100 cm²
South side of door leaving Heat Treat	Wipe	EW0684	3.8 J							ug/100 cm²
Cement wall west of door leaving Heat Treat	Wipe	WW0685	ND							ug/100 cm²
Steel plate on east steel rack	Wipe	EW0686	9.6							ug/100 cm²
Top of poly acid tank	Wipe	EW0687	ND							ug/100 cm²
Floor wipe	Wipe	FW0688	250							ug/100 cm²
Pipe wipe	Wipe	EW0689	7.5 J							ug/100 cm²
Steel stand with round bottom	Wipe	EW0690	18							ug/100 cm²
Furnace brick	Soil	SS0765	ND							ug/100 cm²
Basement 2nd room southwest from Heat Treat	**Sample Type**	**Sample I.D. #**	**Initial Test**	**Clean Cycle 1**	**Clean Cycle 2**	**Clean Cycle 3**	**Clean Cycle 4**	**Confirmatory 1**	**Confirmatory 2**	**Units**
Furnace brick	Wipe	EW0744	ND							ug/100 cm²
Miscellaneous parts	Wipe	EW0745	ND							ug/100 cm²
Floor wipe	Wipe	FW0746	56							ug/100 cm²
Floor wipe	Wipe	FW0747	150							ug/100 cm²
Steel rack	Wipe	EW0748	4.4 J							ug/100 cm²
Miscellaneous parts	Wipe	EW0749	34*							ug/100 cm²
Steel rack	Wipe	EW0750	10							ug/100 cm²
Miscellaneous parts	Wipe	EW0751	ND							ug/100 cm²
Steel rack	Wipe	EW0752	ND							ug/100 cm²
Floor wipe	Wipe	FW0753	48							ug/100 cm²
Floor wipe	Wipe	FW0754	40							ug/100 cm²
Floor wipe	Wipe	FW0755	50							ug/100 cm²
Floor wipe	Wipe	FW0756	270							ug/100 cm²
Steel rack	Wipe	EW0757	24							ug/100 cm²
Miscellaneous parts	Wipe	EW0758	28							ug/100 cm²
Steel rack	Wipe	EW0759	20							ug/100 cm²
Miscellaneous parts	Wipe	EW0760	4.2 J							ug/100 cm²
Steel rack	Wipe	EW0761	9.1							ug/100 cm²
Miscellaneous parts	Wipe	EW0762	9.8							ug/100 cm²
Floor wipe	Wipe	FW0763	160							ug/100 cm²
Floor wipe	Wipe	FW0764	110							ug/100 cm²

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Basement Samples near Pipe Leaks	Sample Type	Sample I.D. #	Initial Test	Clean Cycle 1	Clean Cycle 2	Clean Cycle 3	Clean Cycle 4	Confirmatory 1	Confirmatory 2	Units
Floor wipe north of mother tank	Wipe	FW1347	2000							ug/100 cm²
Pipe wipe north of mother tank	Wipe	EW1348	3800							ug/100 cm²
North side of mother tank	Wipe	EW1349	9.4							ug/100 cm²
Floor wipe north of mother tank	Wipe	FW1350	620							ug/100 cm²
Exit ways into plant from first floor Heat Treat	**Sample Type**	**Sample I.D. #**	**Initial Test**	**Clean Cycle 1**	**Clean Cycle 2**	**Clean Cycle 3**	**Clean Cycle 4**	**Confirmatory 1**	**Confirmatory 2**	**Units**
Northwest exit way										
Wall wipe	Wipe	WW0160	ND							ug/100 cm²
Wall wipe	Wipe	WW0161	ND							ug/100 cm²
Floor wipe	Wipe	FW0162	ND							ug/100 cm²
Floor wipe	Wipe	FW0163	ND							ug/100 cm²
Wall wipe	Wipe	WW0164	ND							ug/100 cm²
Southwest exit way	**Sample Type**	**Sample I.D. #**	**Initial Test**	**Clean Cycle 1**	**Clean Cycle 2**	**Clean Cycle 3**	**Clean Cycle 4**	**Confirmatory 1**	**Confirmatory 2**	**Units**
Wall wipe	Wipe	WW0165	ND							ug/100 cm²
Wall wipe	Wipe	WW0166	ND							ug/100 cm²
Wall wipe	Wipe	WW0167	ND							ug/100 cm²
Floor wipe	Wipe	FW0168	ND							ug/100 cm²
Floor wipe	Wipe	FW0169	ND							ug/100 cm²
Southeast exit way	**Sample Type**	**Sample I.D. #**	**Initial Test**	**Clean Cycle 1**	**Clean Cycle 2**	**Clean Cycle 3**	**Clean Cycle 4**	**Confirmatory 1**	**Confirmatory 2**	**Units**
Wall wipe	Wipe	WW0170	ND							ug/100 cm²
Wall wipe	Wipe	WW0171	ND							ug/100 cm²
Wall wipe	Wipe	WW0172	ND							ug/100 cm²
Wall wipe	Wipe	WW0173	ND							ug/100 cm²
Two small quench tanks	**Sample Type**	**Sample I.D. #**	**Initial Test**	**Clean Cycle 1**	**Clean Cycle 2**	**Clean Cycle 3**	**Clean Cycle 4**	**Confirmatory 1**	**Confirmatory 2**	**Units**
East small quench tank										
One foot	Wipe	EW0513	4.2 J							ug/100 cm²
Two feet	Wipe	EW0514	7.4 J							ug/100 cm²
Three feet	Wipe	EW0515	9.3							ug/100 cm²
West small quench tank	**Sample Type**	**Sample I.D. #**	**Initial Test**	**Clean Cycle 1**	**Clean Cycle 2**	**Clean Cycle 3**	**Clean Cycle 4**	**Confirmatory 1**	**Confirmatory 2**	**Units**
One foot	Wipe	EW0516	4.1 J							ug/100 cm²
Two feet	Wipe	EW0517	ND							ug/100 cm²
Three feet	Wipe	EW0519	3.0 J							ug/100 cm²
Equipment in room southwest of Heat Treat	**Sample Type**	**Sample I.D. #**	**Initial Test**	**Clean Cycle 1**	**Clean Cycle 2**	**Clean Cycle 3**	**Clean Cycle 4**	**Confirmatory 1**	**Confirmatory 2**	**Units**
Basement cleaned in TCE Vapor Degreaser 8/3/92										
Pallet # 1	Wipe	EW1373						ND		ug/100 cm²
Pallet # 1	Wipe	EW1374						ND		ug/100 cm²
Pallet # 1	Wipe	EW1375						ND		ug/100 cm²
Pallet # 2	Wipe	EW1376						ND		ug/100 cm²
Pallet # 2	Wipe	EW1377						ND		ug/100 cm²
Pallet # 2	Wipe	EW1378						24		ug/100 cm²
Pallet # 3	Wipe	EW1379						ND		ug/100 cm²
Pallet # 3	Wipe	EW1380						ND		ug/100 cm²
Pallet # 3	Wipe	EW1381						ND		ug/100 cm²
Pallet # 4	Wipe	EW1382						ND		ug/100 cm²
Pallet # 4	Wipe	EW1383						ND		ug/100 cm²
Pallet # 4	Wipe	EW1384						ND		ug/100 cm²
Pallet # 5	Wipe	EW1385						ND		ug/100 cm²
Pallet # 5	Wipe	EW1386						ND		ug/100 cm²
Pallet # 5	Wipe	EW1387						ND		ug/100 cm²
Pallet # 6	Wipe	EW1388						ND		ug/100 cm²
Pallet # 6	Wipe	EW1389						ND		ug/100 cm²
Pallet # 6	Wipe	EW1390						ND		ug/100 cm²
Pallet # 7	Wipe	EW1391						ND		ug/100 cm²
Pallet # 7	Wipe	EW1392						ND		ug/100 cm²
Pallet # 7	Wipe	EW1393						ND		ug/100 cm²
Parts on grates with poly	Wipe	EW1459						ND		ug/100 cm²

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Parts on crates with poly	Wipe	EW1461					ND	ug/100 cm²
Parts on crates with poly	Wipe	EW1462					ND	ug/100 cm²
Pallet # 9	Wipe	EW1463					ND	ug/100 cm²
Side one	Wipe	EW1509					5.0 J	ug/100 cm²
Side one	Wipe	EW1510					ND	ug/100 cm²
Side one	Wipe	EW1517					ND	ug/100 cm²
Side one	Wipe	EW1518					ND	ug/100 cm²
Side two	Wipe	EW1519					58 E	ug/100 cm²
Side two	Wipe	EW1520					ND	ug/100 cm²
Side two	Wipe	EW1521					ND	ug/100 cm²
Side two	Wipe	EW1522					ND	ug/100 cm²
Parts and equipment decontaminated in TCE vapor degreaser sorted in steel rack			Initial Test	Clean Cycle 1	Clean Cycle 2	Clean Cycle 3	Clean Cycle 4	Confirmatory 1	Confirmatory 2	Units
1	Wipe	EW1528						ND		ug/100 cm²
2	Wipe	EW1529						ND		ug/100 cm²
3	Wipe	EW1530						8.4		ug/100 cm²
4	Wipe	EW1531						ND		ug/100 cm²
5	Wipe	EW1532						ND		ug/100 cm²
6	Wipe	EW1533						ND		ug/100 cm²
7	Wipe	EW1534						ND		ug/100 cm²
8	Wipe	EW1535						ND		ug/100 cm²
9	Wipe	EW1536						ND		ug/100 cm²
10	Wipe	EW1537						ND		ug/100 cm²
11	Wipe	EW1538						7.4 J		ug/100 cm²
12	Wipe	EW1539						4.7 J		ug/100 cm²
13	Wipe	EW1540						ND		ug/100 cm²
14	Wipe	EW1541						ND		ug/100 cm²
15	Wipe	EW1542						ND		ug/100 cm²
16	Wipe	EW1443						ND		ug/100 cm²
First Floor sampling 9\17\92 after Pipe leak	Sample Type	Sample I.D.#	Initial Test	Clean Cycle 1	Clean Cycle 2	Clean Cycle 3	Clean Cycle 4	Confirmatory 1	Confirmatory 2	Units
Floor wipe	Wipe	FW1464						ND		ug/100 cm²
Floor wipe	Wipe	FW1465						ND		ug/100 cm²
Floor wipe	Wipe	FW1466						ND		ug/100 cm²
Floor wipe	Wipe	FW1467						ND		ug/100 cm²
Floor wipe	Wipe	FW1468						ND		ug/100 cm²
Floor wipe	Wipe	FW1469						ND		ug/100 cm²
Floor wipe	Wipe	FW1470						ND		ug/100 cm²
Floor wipe	Wipe	FW1471						ND		ug/100 cm²
Floor wipe	Wipe	FW1472						17		ug/100 cm²
Floor wipe	Wipe	FW1473						ND		ug/100 cm²
Floor wipe	Wipe	FW1474						ND		ug/100 cm²
Floor wipe	Wipe	FW1475						ND		ug/100 cm²
Floor wipe	Wipe	FW1476						ND		ug/100 cm²
Floor wipe	Wipe	FW1477						ND		ug/100 cm²
Floor wipe	Wipe	FW1478						ND		ug/100 cm²
Floor wipe	Wipe	FW1479						ND		ug/100 cm²
Floor wipe	Wipe	FW1480						ND		ug/100 cm²
Floor wipe	Wipe	FW1481						ND		ug/100 cm²
Floor wipe	Wipe	FW1482						ND		ug/100 cm²
Floor wipe	Wipe	FW1483						ND		ug/100 cm²
Floor wipe	Wipe	FW1484						ND		ug/100 cm²
Floor wipe	Wipe	FW1485						ND		ug/100 cm²
Floor wipe	Wipe	FW1486						ND		ug/100 cm²
First Floor sampling	Sample Type	Sample I.D.#	Initial Test	Clean Cycle 1	Clean Cycle 2	Clean Cycle 3	Clean Cycle 4	Confirmatory 1	Confirmatory 2	Units
Floor wipe	Wipe	FW1502							ND	ug/100 cm²
Floor wipe	Wipe	FW1503							ND	ug/100 cm²
Floor wipe	Wipe	FW1504							ND	ug/100 cm²
Floor wipe	Wipe	FW1505							ND	ug/100 cm²
Floor wipe	Wipe	FW1506						ND		ug/100 cm²
Floor wipe	Wipe	FW1507						ND		ug/100 cm²
Floor wipe	Wipe	FW1508						ND		ug/100 cm²

ND Not detected at or above reporting limit

Basement Floor sampling 9\18\92 after pipe leak	Sample Type	Sample I.D.#	Initial Test	Clean Cycle 1	Clean Cycle 2	Clean Cycle 3	Clean Cycle 4	Confirmatory 1	Confirmatory 2	Units
Floor wipe	Wipe	FW1487						5.0 J		ug/100 cm²
Floor wipe	Wipe	FW1488						7.3 J		ug/100 cm²
Floor wipe	Wipe	FW1489						5.4 J		ug/100 cm²
Floor wipe	Wipe	FW1490						5.2 J		ug/100 cm²
Floor wipe	Wipe	FW1491						2.1 J		ug/100 cm²
Floor wipe	Wipe	FW1492						7.8 J		ug/100 cm²
Floor wipe	Wipe	FW1493						2.0 J		ug/100 cm²
Floor wipe	Wipe	FW1494						3.7 J		ug/100 cm²
Floor wipe	Wipe	FW1495						ND		ug/100 cm²
Floor wipe	Wipe	FW1496						ND		ug/100 cm²
Floor wipe	Wipe	FW1497						6.3 J		ug/100 cm²
Floor wipe	Wipe	FW1498						5.0 J		ug/100 cm²
Interior Stairway sampling 9\18\92 after pipe leak	**Sample Type**	**Sample I.D.#**	**Initial Test**	**Clean Cycle 1**	**Clean Cycle 2**	**Clean Cycle 3**	**Clean Cycle 4**	**Confirmatory 1**	**Confirmatory 2**	**Units**
Floor wipe, bottom stair	Wipe	FW1499						75 E		ug/100 cm²
Floor wipe, top stair steel	Wipe	FW1500						39		ug/100 cm²
Floor wipe, top stair epoxy	Wipe	FW1501						ND		ug/100 cm²
Floor wipe, bottom stair steel	Wipe	FW1562							ND	ug/100 cm²
Floor wipe, bottom stair epoxy	Wipe	FW1563							ND	ug/100 cm²
Floor wipe, top stair steel	Wipe	FW1564							ND	ug/100 cm²
Floor wipe, top stair epoxy	Wipe	FW1460							ND	ug/100 cm²
First Floor sampling around Induction Hardener	**Sample Type**	**Sample I.D.#**	**Initial Test**	**Clean Cycle 1**	**Clean Cycle 2**	**Clean Cycle 3**	**Clean Cycle 4**	**Confirmatory 1**	**Confirmatory 2**	**Units**
Floor wipe	Wipe	FW1548						ND		ug/100 cm²
Floor wipe	Wipe	FW1549						ND		ug/100 cm²
Floor wipe	Wipe	FW1550						ND		ug/100 cm²
Floor wipe	Wipe	FW1551						ND		ug/100 cm²
Basement Floor sampling post Citrikleen cleaning 9/22/92			**Initial Test**	**Clean Cycle 1**	**Clean Cycle 2**	**Clean Cycle 3**	**Clean Cycle 4**	**Confirmatory 1**	**Confirmatory 2**	**Units**
Floor wipe	Wipe	FW1552						ND		ug/100 cm²
Floor wipe	Wipe	FW1553						ND		ug/100 cm²
Floor wipe	Wipe	FW1554						ND		ug/100 cm²
Floor wipe	Wipe	FW1555						ND		ug/100 cm²
Floor wipe	Wipe	FW1556						ND		ug/100 cm²
Floor wipe	Wipe	FW1557						ND		ug/100 cm²
Floor wipe	Wipe	FW1558						ND		ug/100 cm²
Floor wipe	Wipe	FW1559						ND		ug/100 cm²
Floor wipe	Wipe	FW1577						ND		ug/100 cm²
Floor wipe	Wipe	FW1578						ND		ug/100 cm²
Floor wipe	Wipe	FW1579						ND		ug/100 cm²
Floor wipe	Wipe	FW1580						ND		ug/100 cm²
Floor wipe	Wipe	FW1581						ND		ug/100 cm²
Floor wipe	Wipe	FW1582						ND		ug/100 cm²
First room south west from Heat Treat Basement sampling after pipe leak			**Initial Test**	**Clean Cycle 1**	**Clean Cycle 2**	**Clean Cycle 3**	**Clean Cycle 4**	**Confirmatory 1**	**Confirmatory 2**	**Units**
Floor wipe	Wipe	FW1583						ND		ug/100 cm²
Floor wipe	Wipe	FW1584						ND		ug/100 cm²
Floor wipe	Wipe	FW1585						ND		ug/100 cm²
Floor wipe	Wipe	FW1586						ND		ug/100 cm²
Floor wipe	Wipe	FW1587						ND		ug/100 cm²
First Floor sampling near Roller Dye Press post citrikleen cleaning			**Initial Test**	**Clean Cycle 1**	**Clean Cycle 2**	**Clean Cycle 3**	**Clean Cycle 4**	**Confirmatory 1**	**Confirmatory 2**	**Units**
Floor wipe	Wipe	FW1573						ND		ug/100 cm²
Floor wipe	Wipe	FW1574						ND		ug/100 cm²
Floor wipe	Wipe	FW1575						ND		ug/100 cm²
Floor wipe	Wipe	FW1576						ND		ug/100 cm²

ND—Not detected at reported detection limit

DRAFT

APPENDIX B

INTRUSIVE/HOT WORK PERMIT

INTRUSIVE/HOT WORK PERMIT

The Gleason Works

DRAFT

Procedure - A permit will be prepared for any intrusive or hot work (ie. welding, cutting) activities for all work inside the Heat Treat Buildin These activities include: drilling, sanding, scraping, or any other like activities. Permits will be issued by the Manager of Health an Safety Affairs. No intrusive or hot work activities will begin without a completed permit.

Permit Application: (to be filled out by the actual person or manager performing the work)

1. Description of work activities and exact location:

_____

_____

_____

2. Expected duration of work to be performed:

_____

_____

Work Authorization: (to be filled out by the Manager of Health and Safety Affairs)

1. Work area checked to accurately identify areas with PCBs? _____
   Wipe samples collected from area?_____ Air Samples collected from area? _____
   PCB concentrations reported?_____ PCB concentrations reported? _____

2. If potential for PCB release, are all non-trained personnel removed from area and access to the area restricted? _____

3. All personnel performing the operation properly trained? _____

4. Personal protective equipment and emergency response equipment available for all work personnel? _____
   Hard Hat____, Eye and Face Protection____, Saran/Tyvek____, Inner Gloves_____, Outer Gloves_____, Boots_____, Reapirato
   Other_____.

5. HEPA vacuum available to minimize dust creation, or wet methods used? _____

AUTHORIZATION

_____ _____ _____

Manager of Health and Safety Affairs Date Time

Permit must be renewed on:_____

Date

Work team sign-off:
I/we have read this work permit and will follow all procedures outlined within.

_____ _____

Name Date

_____ _____

Name Date

_____ _____

Name Date

This work permit must be posted at the work location listed above.
When work is completed, this permit must be returned to the Manger of Environmental Health and Safety Affairs.