13797

Babcock Industries, Inc.

ENVIRONMENTAL ASSESSMENT

Weber-Knapp Division
441 Chandler Street
Jamestown, NY

Dames & Moore

One Blue Hill Plaza
Pearl River, NY 10965

DAMES & MOORE A PROFESSIONAL LIMITED PARTNERSHIP
ONE BLUE HILL PLAZA, STE. 530, PEARL RIVER, NEW YORK 10965-8668 (914) 735-1200

February 14, 1989

Mr. Jeffrey L. Currier
Senior Vice President/Financial
BABCOCK INDUSTRIES, Inc.
425 Post Road
Fairfield, Connecticut 06430

Re: Dacourt/Babcock Industries Transaction
Phase I Investigation Report
Weber-Knapp Plant No. 1
Jamestown, N.Y.

Dear Mr. Currier:

Dames & Moore is pleased to provide herewith 2 copies of the Phase I Investigation Report on Weber-Knapp Plant No.1.

We would be pleased to meet with you to amplify upon our findings and recommendations.

Sincerely,
Dames & Moore

James G. Cline
Partner (Ltd.)

Gregory A. Del Mastro
Project Manager

JGC/GAD:vfm

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EXECUTIVE SUMMARY

This Phase I Investigation report has been prepared for Babcock Industries, Inc. for the purpose of documenting possible environmental concerns, non-compliance with laws and regulations, operating risks and potential liabilities arising from past or current activities at its Weber-Knapp Division's Plant No. 1, Jamestown, NY.

The field visits, document reviews and related checks and analyses in connection with this report were accomplished between January 22, 1989 and January 26, 1989. The site visits were conducted to review company files and interview plant personnel, perform site inspections and conduct a soil gas survey. Visits were also made to Federal, State and Local agencies which had regulation jurisdiction or which could provide data and information pertinent to our analysis. Relevant earlier Dames & Moore assessment work with respect to this site (November, 1988) was incorporated into this work.

Records indicate that the 441 Chandler Street facility was constructed in approximately 1900. Later additions were made to the original facility. The 415 Chandler Street building was constructed in 1973. The property was owned by Norquist Furniture. Plant operations involved plating, lacquering and finishing of furniture hardware.

Our visits indicated that the practices at the site are generally consistent with the provisions of Good Manufacturing Practices; 29 CFR, Part 1910 Occupational Safety and Health Standard. All records examined appeared to be in order. OSHA has found the safety record to be better than industry generally.

Our visits, discussions with management, review of records and discussions with regulatory agencies indicate the plant is in overall compliance with the Environmental Protection Agency's SARA III and RCRA requirements for the storage, use and disposal of hazardous materials. The quantities and types of hazardous materials present at the plant do not constitute any unusual environmental risk.

Based on the soil gas/groundwater survey to identify volatile organic compounds in the soil and groundwater, TCE at several times the NYS drinking water standard was identified in samples taken at a depth of 5 ft. at two locations, one on each side of the river (the Chadakoin River bisects the plant site).

The source of the TCE at the Main Plant may be attributable to plant operations. TCE is stored and used there currently. The material detected on the other side of the river near the plating building appears not to be related to plant operations.

This material appears limited in scope and confined to a shallow aquifer not used as a potable water supply. Migration is to the Chadakoin River where it is quickly diluted. The river is not a public water supply. Thus no immediate health hazard is indicated.

An examination of TCE handling practices should be initiated to assure that no current activities are contributing to this condition. Further groundwater sampling is needed to define the extent of the contamination. Air stripping equipment should be used to recover the TCE in groundwater. Such activity would typically operate for six months and have a cost $25,000 to $50,000.

1.0 PURPOSE

The purpose of this Phase I Investigation is to identify and analyze environmental concerns, operating risks and potential liabilities due to past or current activities. Detailed information compiled during the environmental assessment was based on site investigations, data collection and analysis, regulatory reviews and site-specific environmental conditions. Information reported in our December 7, 1988 report has also been incorporated in this Phase I Investigation. This report will summarize the significant findings by expanding on each of the following six tasks to identify and evaluate actual and potential environmental risks.

1.1 SCOPE OF SERVICES

The scope of services encompasses six discrete task elements that provide the basis for the Phase I Investigation. The field investigation and document review for the site consists of the following components:

1.1.1 Site Location and Historical Review

A search of available historical documents and obtainable file information was made to determine past and current property uses and improvements. Information gathered includes:

- Dates of initial facility construction and any additions or alterations;
- Title research information, past tenant usage, easements;
- Site maps and plans, underground tank locations; and
- Historical aerial photographs.

1.1.2 Site Survey

An inspection of the property, buildings and operating equipment and the compilation of available facility records was performed to assess current or past environmental implications. The areas of consideration were as follows:

- Facility management interview regarding equipment, processes and operational procedures;
- Review of all obtainable file documents, records and logs;
- Survey of point source discharges and existence of control devices;
- Chemical and waste storage areas and procedures, waste streams;
- Above and underground storage tanks;
- PCB-containing electrical equipment;
- Fuel dispensing equipment;
- Asbestos survey;
- Spill control, containment methods, impoundments, retention basins, pits;
- Facility drainage patterns, ditches, placement of storm and sanitary sewer drains and lines;
- Any signs of illegal dumping or past spills, stained soil, impaired vegetation; and
- Overall general housekeeping and maintenance practices.

1.1.3 Surrounding Land Use Survey

A surrounding land use survey was conducted to identify any actual or potential off-site sources of contamination that could pose an environmental threat to the subject site. The following items were included in the survey:

- Known contaminated areas, groundwater, actual or potential sources of pollution, listed sites;
- Proximity to underground tanks, downwind from known air discharges, chemical storage or process areas;
- Proximity to sensitive ecological areas, surface water, wells, drinking sources; and
- Zoning and land use.

1.1.4 Geological, Hydrogeological, Hydrological, Topographical and Meteorological Assessment

An assessment of these conditions determines environmental transport routes, dispersal patterns and risks, past or present pollutants discharged on or into the ground, water or air. Items evaluated were:

- Site soil profile, boring logs, private or public site surveys and area geology;
- Hydrogeological conditions such as location of water table and quality, subterranean structures, available water analyses;
- Soil gas/groundwater survey of the site;
- Hydrological research including drainage and surface water patterns;
- Topographical elements that may affect transport and migration of any spill incidents; and

- Meteorological trends such as prevailing winds, air inversions and wind direction as they may affect the travel of air pollutants.

1.1.5 Regulatory Review

A review of the subject site's current and past activities and incidents was conducted based upon inquiries made to governmental agencies that have jurisdiction over activities at the site. Information was obtained from the following documents and records:

- Regulatory enforcement, compliance, orders, violations, and citations;
- Existence of permits, notifications, registrations and applications;
- Required monitoring, testing, and inspection reports;
- Incident and spill reports, waste manifests and regulatory reports; and
- Reviews of the subject site and sites within a one-mile radius for inclusion on National Priority List, CERCLIS or State Superfund list.

1.1.6 Evaluation

All information collected during the Phase I Investigation was analyzed and evaluated. The summary of our evaluation includes:

- Description of the site's past and present environmental and historical conditions;
- Compliance and liability assessment;
- Analysis of actual or potential on and off-site contamination; and
- Recommendations.

2.0 SITE LOCATION AND HISTORICAL REVIEW

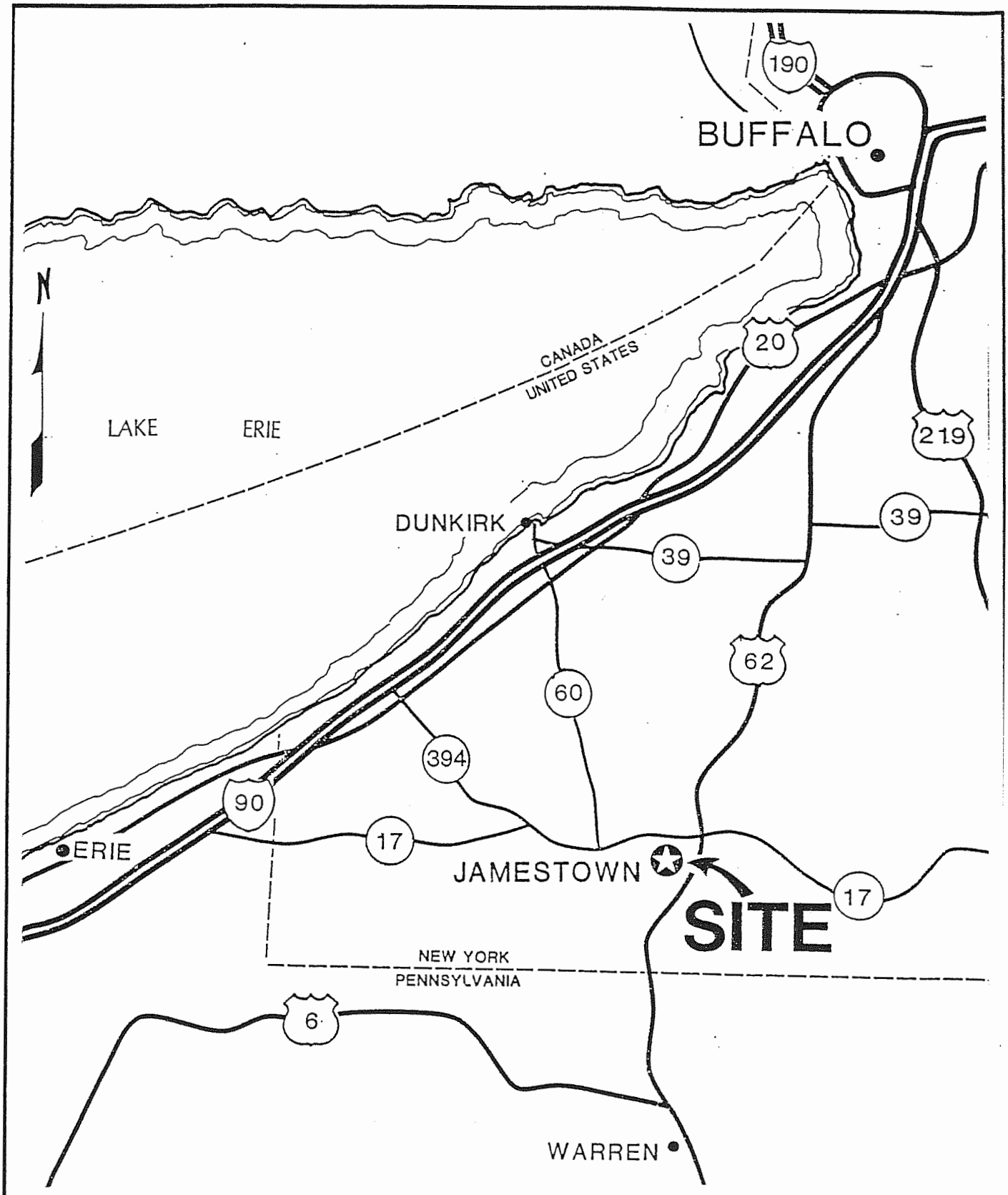
2.1 SITE LOCATION AND DESCRIPTION

The Weber-Knapp Division's Chandler Street plant consists of two buildings located on a 15 acre site which is divided into three parcels by the Chadakoin River and Chandler Street. The larger original building is located at 441 Chandler Street and the smaller new building is located at 415 Chandler Street in Jamestown, New York, a community about 55 miles south of Buffalo, New York and 50 miles east of Erie, Pennsylvania (Figures 1 & 2). The buildings have a total area of 141,957 sq. ft. One hundred and eighty-three people are currently employed by Weber-Knapp at this location. The site and the area along the Chadakoin River are zoned for commercial and industrial uses. Surrounding this area, the properties are zoned primarily for residential use.

2.2 SITE HISTORY

Records indicate that the 441 Chandler Street building was built for Weber-Knapp in approximately 1900. Later additions were added as Weber-Knapp expanded its operations to the south and east over formerly residential properties. The property where the 415 Chandler Street plating building is located was acquired in 1973. The previous building on that site was demolished at that time and the Weber-Knapp plating building constructed. Prior use of this property was by Norquist Furniture for furniture manufacturing and wood cutting operations. Available information on prior ownerships in included in Appendix A. An aerial photograph of this site is included as Figure 3.

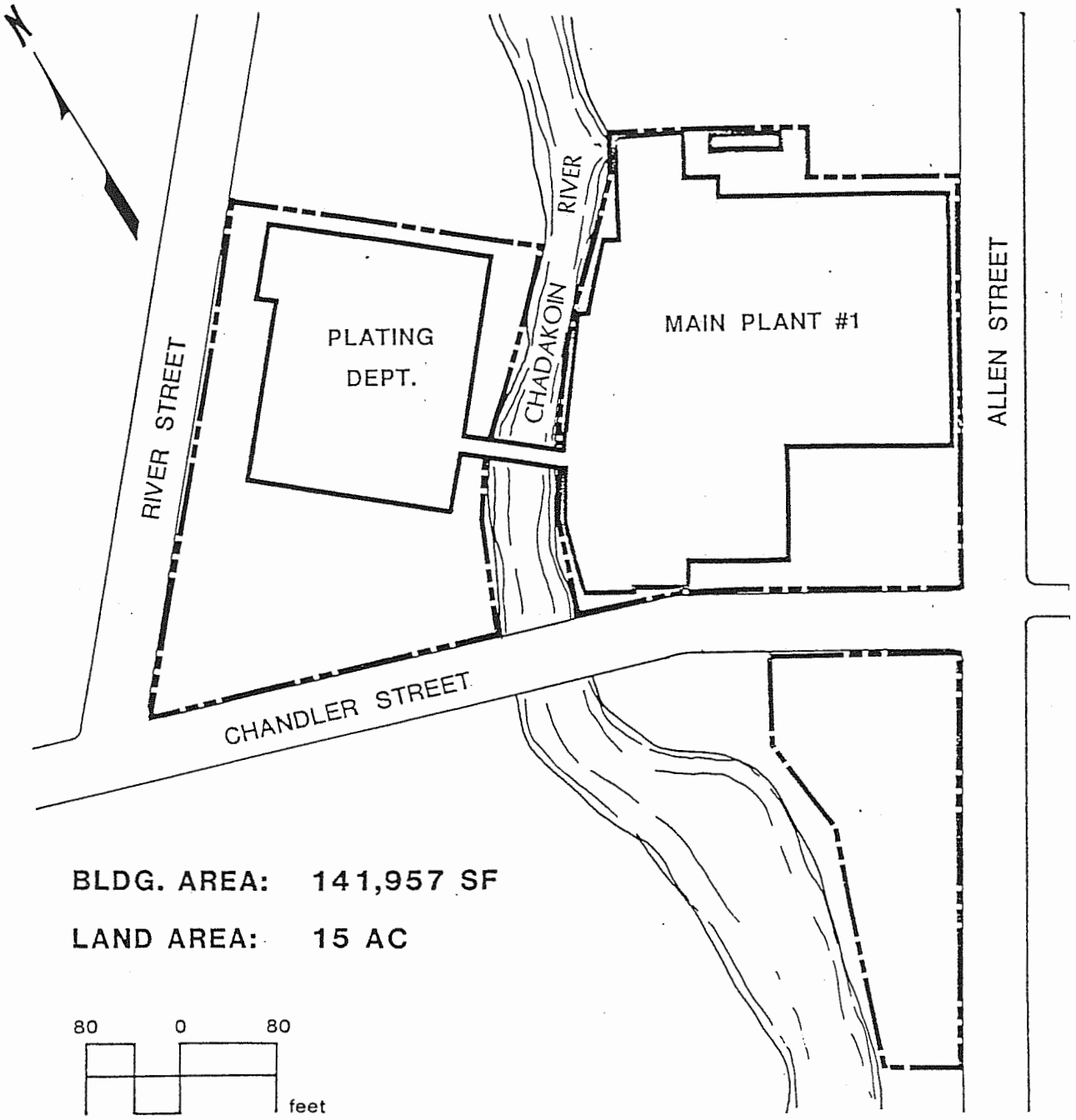
Discussions with plant management during our site visits indicate that the Chandler Street facilities have been continuously used for the manufacture of furniture hardware such as hinges and handles. The manufacturing process consists of casting, plating, lacquering and machining operations. The 441 Chandler Street building is constructed of brick and concrete block with wooden floors. The plating building is constructed of concrete block with concrete flooring. Each building is outfitted with an automatic sprinkler system for fire protection. Mr. Glen Ryan, Engineering Manager, indicated that the coverage of these sprinklers was 100 percent in the plating building and 90 percent in the original building. An enclosure fence and building alarm system provide the facility's security. The Jamestown Board of Public Utilities supplies the facility's water, sewer and electric services.



SITE LOCATION MAP
WEBER-KNAPP DIVISION

441 CHANDLER STREET
JAMESTOWN, NY

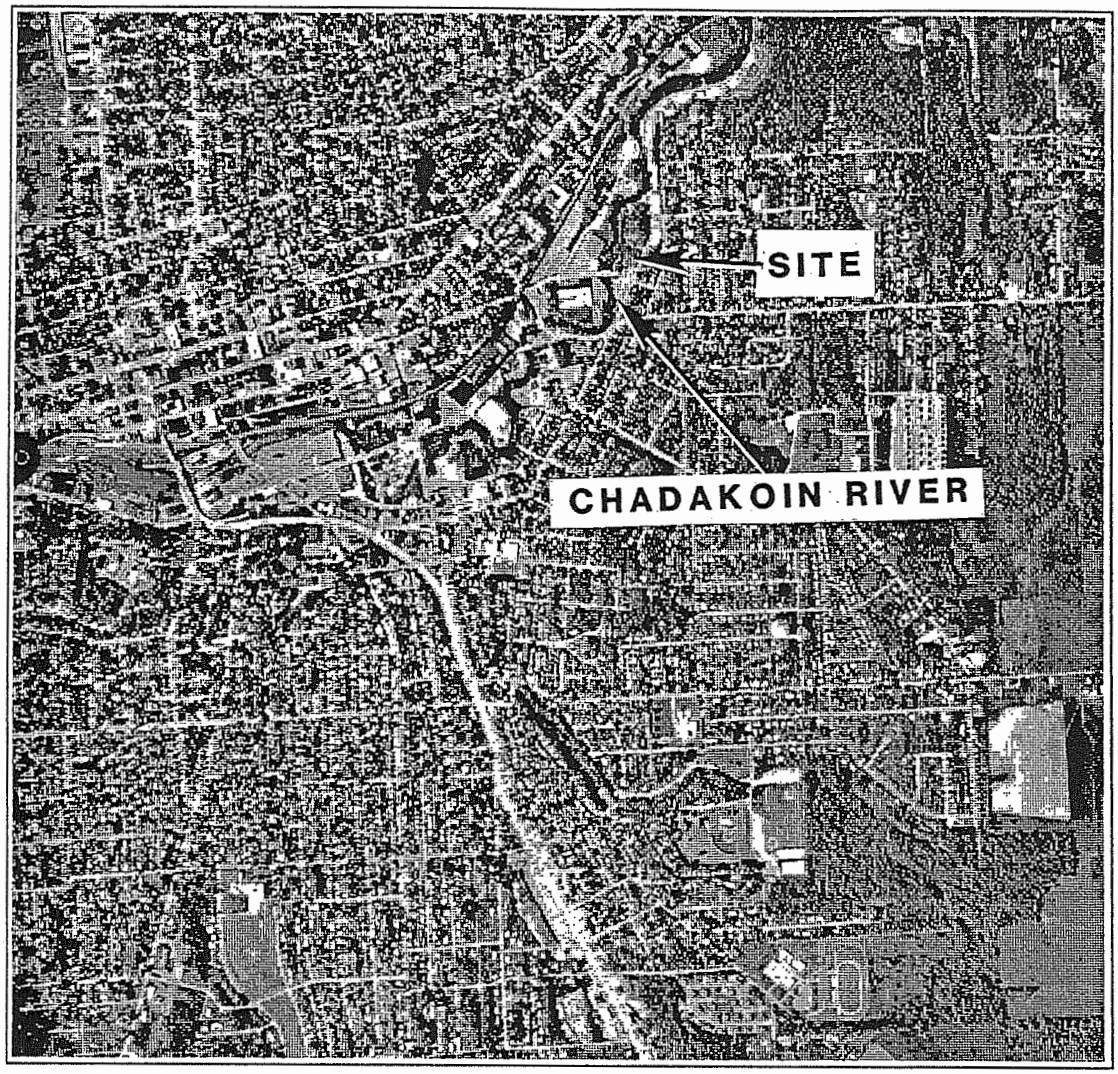
Dames & Moore
FIGURE 1



PLOT PLAN OF
WEBER-KNAPP DIVISION

441 CHANDLER STREET
JAMESTOWN, NY

Dames & Moore
FIGURE 2



AERIAL PHOTOGRAPH OF THE SITE AND SURROUNDING AREA

WEBER-KNAPP DIVISION

441 CHANDLER STREET
JAMESTOWN, NY

SOURCE: LOCKWOOD SUPPORT SERVICES INC., 1983

Dames & Moore
FIGURE 3

Weber-Knapp stores and utilizes solvents, paints and chemicals used in manufacturing, and generates related waste products. The types of these materials and wastes determine their method of storage and placement within the facility. Figure 4 details the locations at which these materials are stored. These include three above ground storage tanks and three underground storage tanks. The areas for drum storage of process chemicals and wastes are also shown.

2.3 MANUFACTURING PROCESS DESCRIPTION

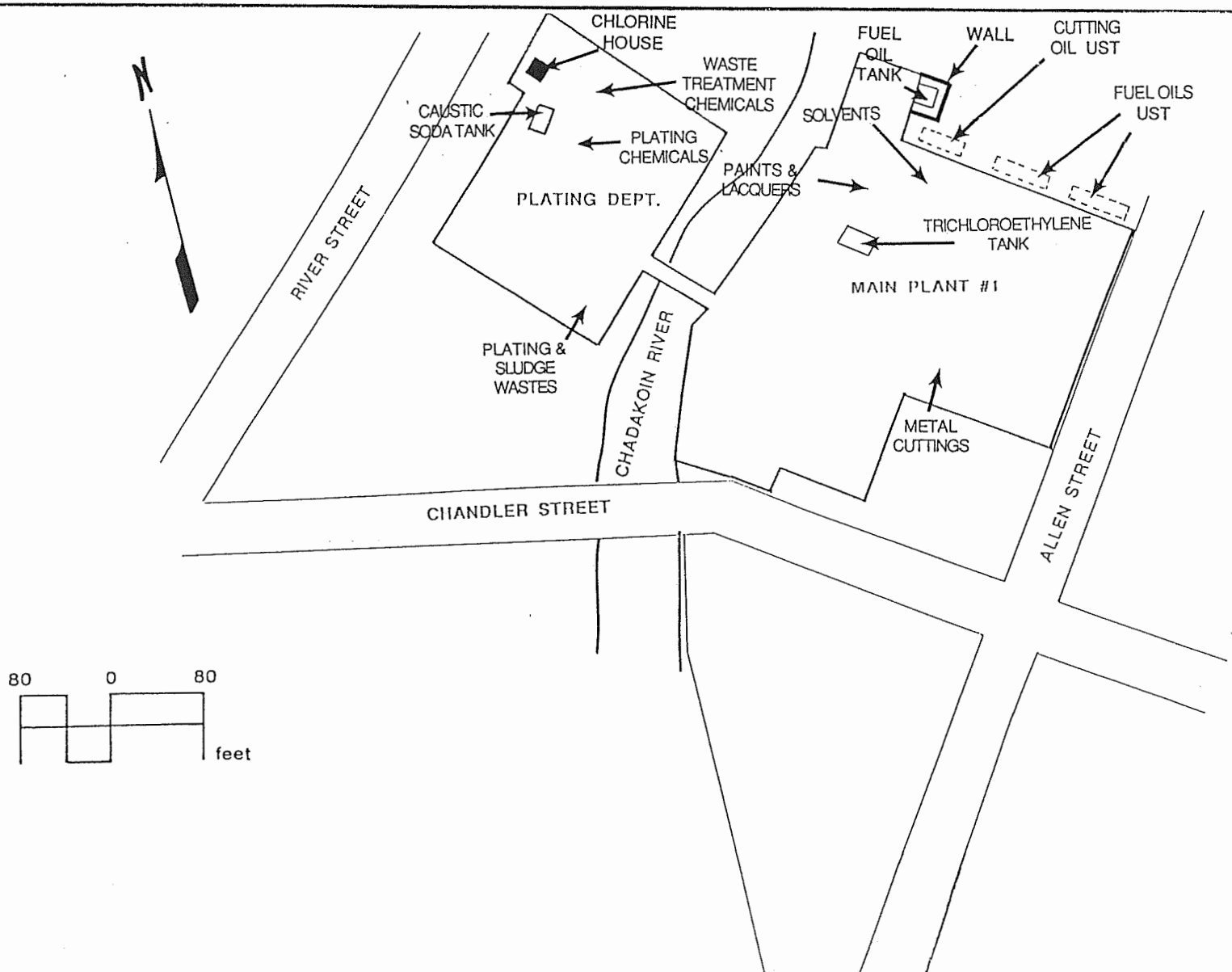
Operations at this plant involve the manufacture of metal hardware products, such as hinges and drawer pulls, from raw material in the form of steel coils, channels, wire, and aluminum bar stock.

The aluminum bar stock is cut to size on mechanical cutting saws and then machined on two mechanically operated boring machines. These parts are cleaned and then transported to the plating operation in Building 10.

In the sheet metal manufacturing, steel coils are slit, cut to length, and die punched on the mechanically operated punch presses. After being degreased and cleaned with non-flammable alkaline solutions, the pieces are transported to the plating operation in Building 10.

Foundry operations use a 175 KVA electrical induction furnace to cast aluminum and copper base alloys. Castings are tumbled and ground prior to plating.

Plating operations consist of a cyanide salt bath and a metal (such as chrome or copper) for a final plated finish. After plating is completed the pieces are sent to the 2019 Allen Street, Falconer, NY plant for final assembly and shipment.



POTENTIAL SOURCES OF IMPAIRMENT
WEBER-KNAPP DIVISION
441 CHANDLER STREET
JAMESTOWN, NY

Dames & Moore

3.0 SITE SURVEY

Site surveys at the Weber-Knapp Division's Chandler Street plant were conducted to inspect the property, buildings, equipment and operational procedures. Such visits focused on observation of operational practices and selective review of regulatory file information. We sought evidence of current or past practices with environmental implications.

An initial visit was made on November 9, 1988, and available regulatory compliance data was collected. There was an on-site management interview with Mr. Stein Hjemdahl-Monsen, Environmental Engineer and Mr. Glen Ryan, Plant Engineering Manager. An Environmental Audit Questionnaire was completed at that time (Appendix B). Discussions were held with representatives of NYSDEC. Follow-up site investigations were carried out during the week of January 22 to January 26, 1989. The additional visits were made to more thoroughly examine areas of concern and to collect file documents that were unavailable during the original visit. File documents and records kept by both the facility management and regulatory agencies were relied on in completing the Environmental Audit.

3.1 DESCRIPTION OF WASTES AND DISPOSAL METHODS

An examination of wastes and emissions generated by the facility's operations and an assessment of the regulatory records available were performed during the site visits. Areas inspected included waste and waste handling and storage, point source discharges of air and water and associated control devices. These site investigations were conducted during the hours of facility operation to ensure an accurate understanding of commonly followed procedures. Following is an examination of air emissions produced, wastewater discharged and stored, hazardous wastes generated and associated methods of disposal, and any PCB-containing equipment.

3.1.1 Air Emissions

The main plant and plating buildings at the Weber-Knapp Division's Chandler Street site utilize natural gas fired, 300 HP and 200 HP boilers respectively. Other sources of air emissions identified on NYSDEC Division of Air certificates to operate an air contamination source include: emissions from foundry operations, a dust collecting cyclone, solvent cleaning and degreasing, machining using light cutting oil, chemical etching and plating operations, drying operations, lacquer storage and dispensing room operations. The air certificates are provided in

Appendix C. Mr. Hjemdahl-Monsen informed that all emissions are currently in compliance with NYSDEC Division of Air regulations.

3.1.2 Wastewater

Mr. Hjemdahl-Monsen and Mr. Ryan advised that this site was in full compliance with the NYSDEC SPDES regulations and City of Jamestown sewer use ordinance. Wastewater from the plating operation receives pre-treatment at the plant and is discharged under a SPDES permit to the Chadakoin River. Approximately 67,600 gallons a day of wastewater from plating operations are discharged to the Chadakoin River. Wastewater from the burnishing operation receives pre-treatment and is discharged under an Industrial Wastewater Discharge Permit to the City of Jamestown sewer system. The SPDES and Industrial Wastewater Discharge Permits are provided in Appendix D.

Upon review of facility drawings, we were advised that the floor drains in the bathroom and lavatory drains were discharged to the City of Jamestown sewer system.

3.1.3 Hazardous Waste

The Plant is a hazardous waste generator (ID# NYD 006015580), generating the following EPA wastes from its casting, plating, lacquering and machining operations:

EPA Waste Type	Source
F006	Wastewater treatment sludge from electroplating operations
F002	Waste trichloroethylene
D001	a. Waste solvent b. Waste wax c. Waste paint and lacquer
D008	Waste foundry sand

EPA Waste Type	Source
D007	Dilute wastewater rinsed from electro-plating operations and treated in pre-treatment facility

The F006 sludge waste is generated from the treated D007 wastewater. The treated wastewater is discharged under the plant's SPDES permit to the Chadakoin River.

The Generator Annual Report for 1987 (Appendix E) shows 109 tons of D001, D008, F002, and F006 wastes were generated at the plant that year. These wastes are stored in 55 gallon drums for less than 90 days before being transported off-site. The location for the storage of hazardous waste at the plant is shown in Figure 4. The Annual Report for 1987 also indicates that the hazardous waste was shipped to EPA certified treatment, storage, or disposal facilities in Detroit, MI, Bedford, OH, Oregon, OH, Bulgar, PA, and Niagara Falls, NY.

3.1.4 Polychlorinated Biphenyls (PCBs)

Mr. Hjemdahl-Monsen and Mr. Ryan indicated that there were no PCBs or PCB containing equipment on this site nor had any equipment earlier been decontaminated on-site.

3.2 MATERIAL USE AND STORAGE

The methods of storing raw materials, fuels and other associated items necessary for plant maintenance and operation were examined. Methods of material handling, spill control and the presence or absence of containment devices were evaluated. Following is a description of these materials and their storage and containment methods.

3.2.1 Raw Materials

Hazardous raw materials utilized by the plant include: plating chemicals (i.e. acids, metals, cyanides, sulfates, chlorides, etc.); waste treatment chemicals (i.e. sodium compounds, chlorine,etc.); and paints, lacquers and solvents. A list of chemicals stored on-site is provided in Appendix G. The storage locations of these chemicals are shown in Figure 4.

Weber-Knapp Division's Chandler Street plant has three aboveground storage tanks. One tank contains 15,000 gallons of fuel oil and is constructed of steel. The tank was installed in 1977 and is located in a confined room. A 5,000 gallon tank made of steel is used for the storage of 50 percent liquid caustic sodium hydroxide at the facility. The tank was installed in 1977. The area containing the tank is equipped with spill containment devices. A 2,000 gallon tank of trichloroethylene is also present.

In response to the possibility of a hazardous emergency at the facility and complianced with RCRA regulations, Weber-Knapp has developed a Response Plan (Appendix H). It appears adequate for the types of activities at this plant.

3.2.2 Underground Storage Tanks

The Weber-Knapp Division's Chandler Street plant has three underground storage tanks. Two tanks are currently in use at the plant: a 10,000 gallon steel tank containing fuel oil, installed in 1973 and a 3,000 gallon steel tank containing cutting oil which was installed in 1969. A 2000 gallon steel tank is not in service. The tank is filled with concrete and sand. Mr. Hjemdahl-Monsen advised that the tanks in use have been registered with the EPA. The location of these underground storage tanks is shown in Figure 4.

3.2.3 Asbestos

A visual inspection for asbestos was performed. No friable asbestos was observed. A sample taken from boiler pipe insulation indicated the presence of asbestos (Appendix J). The potential exists that the roofing material contains asbestos. It poses no near-term risk to occupants. A modest asbestos management program would be desirable to assure that appropriate care is taken in boiler system or roof renovation or replacement. Guidelines regard such programs are provided in Appendix O.

3.3 GENERAL PRACTICES

The general housekeeping is good for this type of operation. Storage areas are kept free from accumulation of materials that constitute hazards from tripping, fire or explosion. Where mechanical handling equipment is used, sufficient safe clearances are allowed for aisles, through doorways at loading docks and wherever turns or passage must be made. All passageways and aisles were clear and in good repair.

Containers of hazardous raw materials were stored, stacked, blocked and limited in height so that they were stable and secure against sliding or collapse.

All machinery, including power, mechanical and hand operated, is equipped with protective guards and safety shields to protect the operator and other employees. A preventative maintenance program is included for all equipment.

Hazardous materials are handled, stored and used in accordance with Standard Operating Procedures, OSHA 29 CFR 1910, Subpart H, Hazardous Materials, 6 NYCRR Parts 370, 372 and Subpart 373-3, and applicable EPA regulations.

Storage container, piping, valves, regulating equipment and other accessories for hazardous materials were readily accessible and protected against physical damage and tampering. Shutoff valves were located in hazardous liquid withdrawal lines as close to the containers as practical to facilitate rapid shutoff in the event of an emergency.

Storage Tank Summary

Weber-Knapp Division, Plant 1
Chandler Street
Jamestown, New York

Material Stored	Capacity	Age	Above/ Below Ground	Inside/ Outside	Spill Containment	Tank Material	Testing Methods
Aluminum	3000 gal	NA	below	outside	none	steel	NA
Cutting oil O-864							
Trichloroethylene	1500 gal	<10 yr	above	inside	diked	steel	visual
Liquid Caustic-50%	5000 gal	<15 yr	above	inside	diked	steel	visual
Fuel Oil #6	15,000 gal	<15 yr	above	inside	diked	steel	visual

Process Materials Summary

Weber-Knapp Division, Plant 1
Chandler Street
Jamestown, New York

Material	Usage/Year	Average Stored Material	Drum	Underground Tank	Aboveground Tank	Other
Acid Boric	1600 lb	400 lb	x			
Acid Chromic Flake	500 lb	200 lb	x			
Acid Hydrofluoric	560 lb	1120 lb	x			
Acid Muriatic	80,640 lb	4500 lb	x			
Acid Nitric	43,700 lb	3800 lb	x			
Acid Sulphuric	48,400 lb	8800 lb	x			
Act Carbon Granule	140 lb	100 lb	x			
Aqua Ammonia	7020 lb	1000 lb	x			
Anodes Brass Ball	4800 lb	1200 lb				x
Anodes Copper Ball	4800 lb	1200 lb				x
Anodes Zinc Ball	1300 lb	400 lb				x
Nickel Chips	13775 lb	2204 lb				x
Nickel Penetrate	8000 lb	2400 lb	x			
Nickel Penetrate L	3900 lb	1950 lb	x			
Enthobrite Q585	120 lb	25 lb	x			
Extender 253	25 gal	10 gal				x
Nichlor 31	550 lb	400 lb	x			
K-700 Cleaner (SS)	9200 lb	2000 lb	x			
Clepo 444 NP Soak (SS)	9600 lb	2000 lb	x			
Interlox 2325	600 lb	600 lb	x			
Grit-O-Cob 2040	7550 lb	500 lb	x			
Grit-O-Cob 1014	250 lb	100 lb	x			
Copper Cyanide	8000 lb	1000 lb	x			
Sodium Cyanide	20,400 lb	2400 lb	x			
Zinc Cyanide	3600 lb	1000 lb	x			

Process Materials Summary (Cont)

Weber-Knapp Division, Plant 1
Chandler Street
Jamestown, New York

Material	Usage/Year	Average Stored Material	Drum	Underground Tank	Aboveground Tank	Other
Ethox 992-A	135 gal	75 gal	x			
Ethox 992-B	45 gal	30 gal	x			
Lustre On 500	4000 lb	400 lb	x			
Metal Lustre #60	440 gal	110 gal	x			
Nickel Carbonate (SS)	50 lb	50 lb	x			
Emulsifier Nitrosol	110 gal	55 gal	x			
Filter Powder Speedplus	1150 lb	250 lb	x			
Nickel Sulfate	4900 lb	1200 lb	x			
Doorease Dripless Oil	110 gal	55 gal	x			
Caustic Soda Beads	500 lb	500 lb	x			
Metal Nickel Strip	240 lb	120 lb	x			
Clepo Nickel Strip 17	800 lb	400 lb	x			
Copper Sulfate	700 lb	250 lb	x			
Ferrous Sulfate	5100 lb	2000 lb	x			
Liquid Sulfur	660 gal	165 gal	x			
Trichloroethylene	3107 gal	1500 gal			x	
1 1/4 Plastic Tumbling Media	22,000 lb	2000 lb	x			
Ceramic Finishing Media	6950 lb	2000 lb	x			
Jon Coat 614	550 gal	110 gal	x			
Jon Coat 711	385 gal	110 gal	x			
Wetting Agent 62-A	35 gal	10 gal	x			
Ecolozinc 2005	90 gal	25 gal	x			
Ecolozinc 2003	50 gal	15 gal	x			
Econo Nickel 440	80 gal	25 gal	x			

Process Materials Summary (Cont)

Weber-Knapp Division, Plant 1
Chandler Street
Jamestown, New York

Material	Usage/Year	Average Stored Material	Drum	Underground Tank	Aboveground Tank	Other
Econo Nickel 421-B	185 gal	30 gal	x			
Econo Nickel 422-B	135 gal	30 gal	x			
Econo Nickel 405	100 gal	30 gal	x			
Econo Nickel Wet M	135 gal	30 gal	x			
Electrosolv	495 gal	165 gal	x			
300WB Wetting Agent	135 gal	30 gal	x			
Econo Nickel 402	115 gal	30 gal	x			
Sodium Bisulfite	6800 lb	2000 lb	x			
Hydrated Lime	42,000 lb	4000 lb	x			
Liquid Caustic 50%	8155 gal	5000 gal			x	
Rayon Gd Liquid Caustic	5280 lb	1980 lb	x			
Liquid Chlorine	20,000 lb	12,000 lb			x	
Sodium Hydrosulfite	500 lb	500 lb	x			
Sulfur Dioxide	500 lb	250 lb			x	
Sodium Hypochlorite	2200 gal	275 gal	x			
McGean Kleer-Aid 603	960 lb	160 lb	x			

Off-Site Waste Disposal Practices

Weber-Knapp Division, Plant 1
Chandler Street
Jamestown, New York

Waste	Container	Site Storage Time	Qty/Yr	Transporter	Disposal Facility
Waste Treatment Sludge	drums	<90 days	95.6 tons	A-Z Waste EPA#NYD074026402	Mill Service EPA#PAD059087072 Cecos International EPA#NYD080336241 Envirosafe EPA#OHD045243706
Foundry Sand	drums	<90 days	5.2 tons	A-Z Waste EPA#NYD074026402	Cecos International EPA#NYD080336241 Envirosafe EPA#OHD080336241
Waste TCE	drums	<90 days	4.0 tons	A-Z Waste EPA#NYD074026402	Hukill Chemical EPA#OHD001926740
Waste Solvents	drums	<90 days	0.6 tons	A-Z Waste EPA#NYD074026402	Hukill Chemical EPA#OHD001926740
Waste Lacquer	drums	<90 days	0.2 tons	A-Z Waste EPA#NYD074026402	Hukill Chemical EPA#OHD001926740
Waste Wax	drums	<90 days	1.0 tons	Tonowanda Tank Transport EPA#097644801	Petrochem EPA#MID980615298

4.0 SURROUNDING LAND USE SURVEY

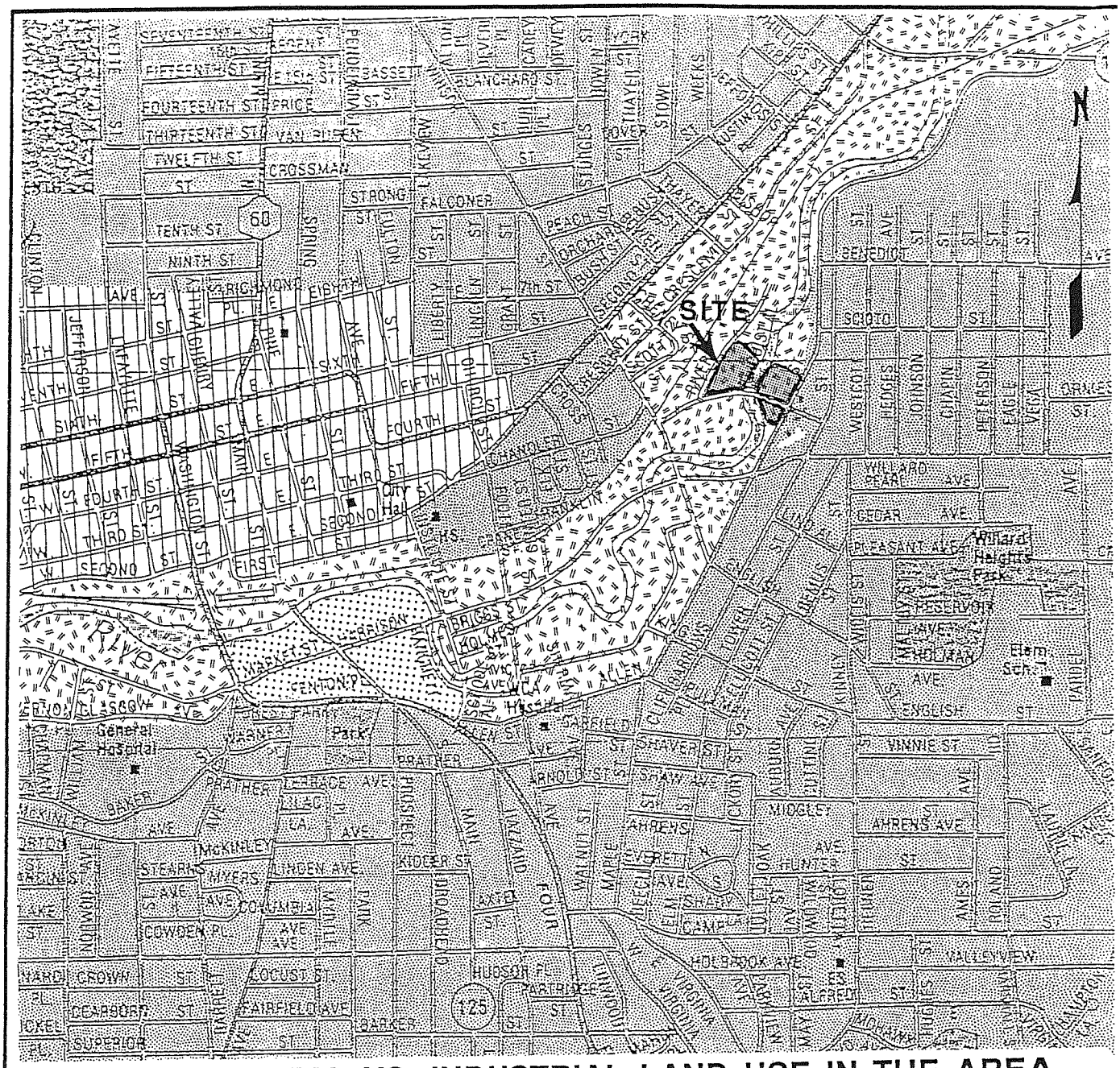
Neighboring sites to the Weber-Knapp, Plant No. 1 on Chandler Street are a mixture of large and small industrial facilities, warehouses, schools, municipal buildings, gas stations, offices, hospitals, the Jamestown Municipal Power Plant, and numerous residential properties. Figure 5 shows the distribution of residential vs. industrial property in the area. Three facilities neighboring Plant No. 1 (SKF Aerospace, Star Refrigeration and Dawson Metal Co.) are industrial facilities. Table 1 provides an expanded list of off-site facilities and their radial distance from the site. Figure 6 shows the location of the facilities in reference to the site.

4.1 POTENTIAL OFF-SITE POLLUTANT SOURCES

Based upon a visual evaluation of surrounding off-site facilities, certain potential sources of pollution can be identified. These facilities containing fuel-dispensing equipment and those utilized for fuel storage have the potential for both underground storage tanks and liquid spills. These include the following: Highway Gas Station, Pennzoil Gas Station, Kwik-Fill Gas Station, Wilson Farms (with fuel-dispensing equipment), Ryder Trucks (with fuel-dispensing equipment) and Danielson Oil Co (fuel-dispensing terminal).

Various industrial facilities and small businesses have the potential of storing and using lubricating fluids, solvents, and the welding supplies. These facilities include: Dahlstrom Mfg., Dawson Metal Co., Filegar Tool & Saw Co., D.C. Rollform Inc., Star Refrigeration, Carter Metal Mfg., D&M and Mac's Auto Body Shops, Charlie's Paint Shop, SKF Aerospace, Watson Industries, Jamestown Electroplating, Chautaugua Hardware Corp., K&H Auto Body, Nordic Fabrications and Monarch Electric Corp. These manufacturing facilities also have air emissions; however, the nature and scale of the activities do not suggest releases which could substantially impare the environment of Weber-Knapp Plant No. 1.

A regulatory review of facilities within a one-mile radius of Weber-Knapp, Plant No. 1 determined that no such site appeared on any National Priority Listing, CERCLIS or Federal Superfund List.



RESIDENTIAL VS. INDUSTRIAL LAND USE IN THE AREA

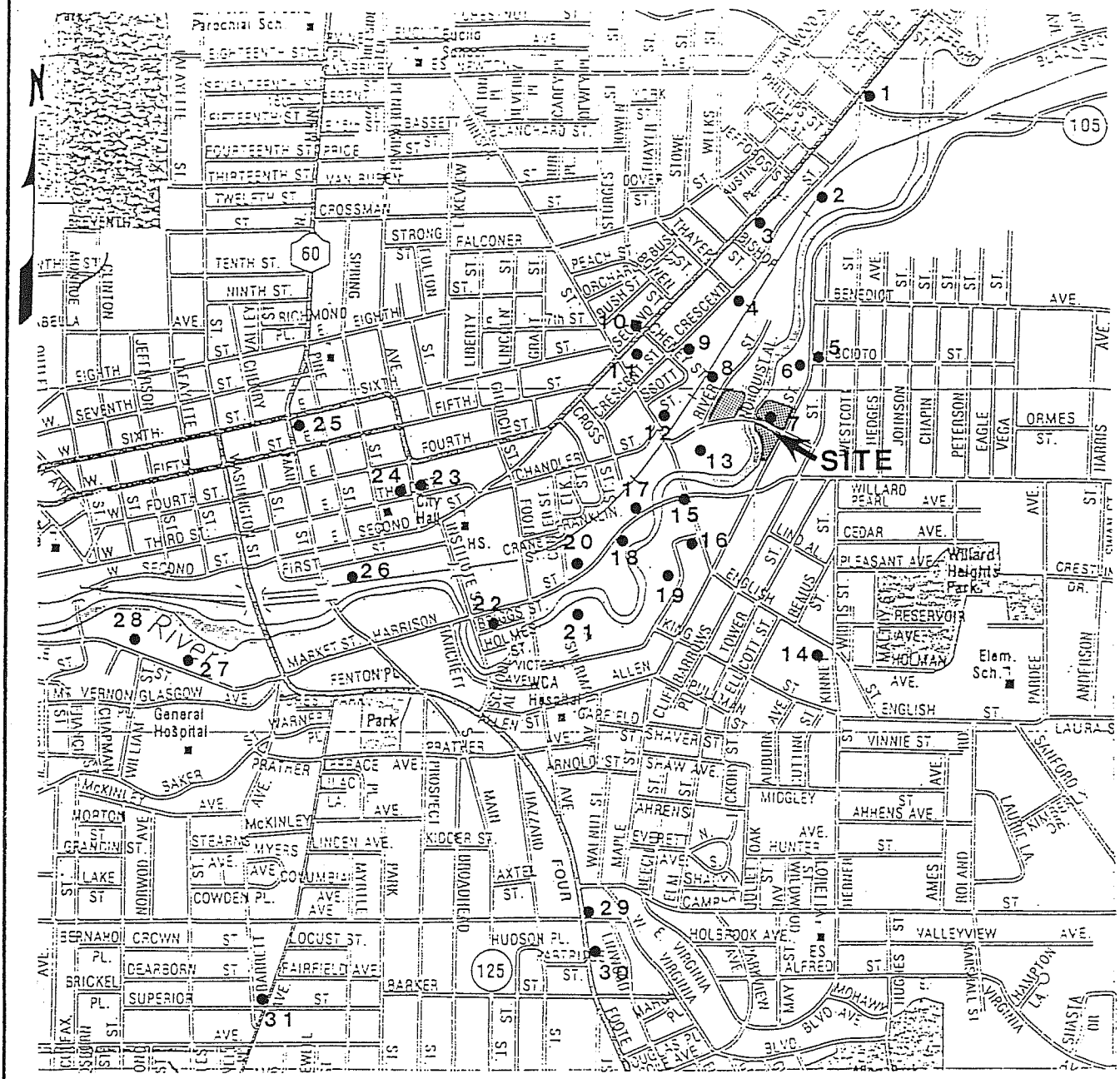
WEBER-KNAPP DIVISION

441 CHANDLER STREET
JAMESTOWN, NY

- DOWNTOWN BUSINESS DISTRICT
- RETAIL SHOPPING AREAS - PLAZAS, RESTAURANTS
- PRIMARY RESIDENTIAL & SMALL RETAIL BUSINESSES, OFFICES, ETC.
- INDUSTRIAL & WAREHOUSE DISTRICT

Dames & Moore

FIGURE 5



SURROUNDING LAND USE
WEBER-KNAPP DIVISION
441 CHANDLER STREET
JAMESTOWN, NY

SCALE

0 .25

MILES

Dames & Moore

FIGURE 6

4.2 POTENTIAL SUBJECT SITE POLLUTANT SOURCES

Wind direction at Weber-Knapp, Plant No. 1 is primarily from the west (including northwest and southwest) and thus the off-site areas potentially affected by the facility's air emissions are industrial facilities and residential homes.

Liquid spills from the Weber-Knapp, Plant No. 1 buildings will follow the downward gradient of the site (which is east and west) and would discharge into the Chadakoin River which bisects the site. A Spill Prevention Control and Countermeasure Plans is provided in Appendix H for the facility.

4.3 SENSITIVE AREAS

There are no wetlands or wildlife refuges in close proximity to the plant (Appendix K). The residential and commercial areas surrounding the site do not use wells as sources of drinking water. The City of Jamestown provides water for the area using municipal wells several miles to the north.

Table 1 (continued)

Summary of Off-Site Facilities

Weber-Knapp Plant No. 1
Jamestown, NY

Map No.	Name	Distance from Facility (miles)
18.	Numerous transformers, barrels & electrical supplies stored in a fenced-in area	0.3
19.	Jamestown Electroplating Ryder trucks - Underground Fuel Tanks	0.3
20.	Phoenix Metal Fabricating Inc.	0.3
21.	Chautauqua Howe-Water St. Plant	0.5
22.	K & H Auto Body Artistic Cabinet Works Artone Mfg. Riverside Ins. Ctr. Assorted warehouses	0.5
23.	Abandoned Gas Station	0.5
24.	Pennzoil Gas Station	0.6
25.	Wilson Farms - Gas Station	0.7
26.	Nordic Fabricating El Greco Furniture Monarch Electric Corp. Other Ware Houses.	0.7
27.	Jamestown Plywood Corp.	0.8
28.	Jamestown Municipal Power Plant	1.0
29.	Barneys Keystone	0.4
30.	Vacant lot w/garage including some small discarded tanks.	0.9
31.	Kwik-Fill Gas Station	1.2

Table 1

Summary of Off-Site Facilities

Weber-Knapp Plant No. 1
Jamestown, NY

Map No.	Name	Distance from Facility (miles)
1.	Dahlstrohm Mfg.	0.5
2.	Dawson Metal Corporation	0.3
3.	Highway Oil - Gas Station	0.3
4.	A. Union National Fine Furniture - Factory	0.2
	B. File Gas Tool & Saw Co.	
	C. Danielson Oil Co. - Mobil Distributor	
5.	Dawson Metal Co. Inc.	0.1
6.	D.C. Roll Form Inc.	0.1
7.	Weber-Knapp Plant No. 1	0
8.	A. Star Refrigeration	0
	B. Carter Metal MFC	
	C.. Various Warehouses	
9.	Maujer Carvern - Furniture Factory	0.1
10.	A. D&M Auto Body	0.2
	B. MAC'S	
	C. Charlie's Paint Shop	
11.	Tony Colletti's used cars & Gas Station	0.2
12.	Electrical Warehouse	0.2
13.	SKF Aerospace	0.1
14.	Transformers (fenced in)	0.4
15.	Welders Supply	0.2
	Atlas Div - Crawford Furniture	
	Abandoned Gas Station	
	Reale Auto used cars	
16.	Abandoned Gas Station	0.2
17.	Watson Industries	0.2

5.0 GEOLOGICAL, HYDROGEOLOGICAL, HYDROLOGICAL, TOPOGRAPHICAL AND METEOROLOGICAL ASSESSMENT

This section assesses the pedology, geology, hydrogeology, hydrology, topography and historic meteorology at the site and/or in the surrounding area. Each subject is discussed in the following paragraphs.

5.1 PEDOLOGY

In the area of the site, the soils are classified as the Chenango Series. This series consists of deep, well drained to excessively drained soils located on glacial outwash plains and were formed in water-sorted material. Commonly, these soils have a very dark grayish brown gravelly silt loam surface layer which is eight inches thick. The subsoil layers (8-30 inches) are dark yellowish brown in color and consist of brown gravelly and very gravelly silt loam and loam. In the substratum (30-72 inches), the soil is loose. The soil in this layer consists of very gravelly loamy coarse sand (USDA in preparation).

The soils in the Chenango Series have a clay content range of 6-18% in the top layers and 1-8% in the substratum. The permeabilities of the soils range from 1.2-12 ft/day in the near surface soils and 10-40 ft/day in the substratum. The range in organic matter content is 2-6%. (USDA is preparation).

We are advised that no fill has been brought to the site by the current owners. Site topography suggests that prior owners did not bring significant fill to the site.

5.2 GEOLOGY

The site lies in the southwest corner of New York State and is located in the Appalachian Uplands Province. The bedrock in the province consists of Devonian age sandstone, shale and limestone dipping gently to the southwest. The bedrock underlying the site is part of the Upper Devonian Conneaut Group, approximately 350 million years old. The group is generally 250-600 feet in thickness.

The Ellicott and Dexterville Formations of the Conneaut Group are shown in Figure 7, illustrating their distribution within the surrounding area. These formations are composed predominantly of gray shales with some interbedded siltstone and a few beds of sandstone and

conglomerate (Crain, 1966). The bedrock is composed of numerous layers or beds which vary in thickness. The bedrock also contains vertical fractures or joints which extend for distances of a few feet to several hundred feet in both length and depth.

The surficial geology surrounding the site is shown in Figure 8. The geology consists of recent deposits (20,000-30,000 years ago) which are generally confined to floodplains within a valley. These deposits consist of oxidized, non-calcareous, fine sand to gravel which may be overlain by silt. The thickness of these recent deposits are 3-30 feet.

Geologically, the site is underlain by unconsolidated material which consist of fine sand and gravel in the subsurface and silts and clays at the surface. The top layer of the unconsolidated material has a low permeability because of the clay content of 6-18% and a high silt content. Based on these criteria, the soils would minimize infiltration of surficial contaminates into the subsurface.

The facility is located in a complex geomorphic setting. The landscape features observed in this area originated from the differential weathering and long history of erosion. The evolution of these features is primarily through fluvial erosion, but were modified by glacial processes during the last 1-2 million years (Cadwell, 1980). The area was subjected to glacial erosion and deposition several times. Glacial deposits in the area were formed primarily during Late Wisconsinan time by an expansion of the Laurentide Ice Sheet that began about 30,000 years ago and culminated approximately 20,000 years ago. The glacier transported large quantities of clay to boulder size sediments and dispersed them over the landscape. The valley and lowland areas parallel to the glacier flow were enhanced by the ice. When the glacier retreated pro-glacial lakes and recessional ice-margin features were produced (Cadwell, 1980).

5.3 HYDROGEOLOGY

Several water bearing units have been mapped in the Jamestown, NY area. The primary source of ground water is derived from unconsolidated deposits laid down by glacial processes. The site lies along the Chadakoin River in the Chautauqua Lake Valley. The site is approximately 2 miles downstream (east) of Chautauqua Lake.

The thickness of these unconsolidated deposits range form 200-300 feet. These deposits consist of a complex mixture of till, sand and gravel, and silt and clay. The mixed deposits were found at the end of the ice tongues as terminal moraines (Crain, 1966). These coarse-fine grained

deposits are similar to those which border Chautauqua Lake. The depth to water at the site is approximately 5 feet.

Figure 9 shows the location of water wells approximately 1 mile northeast of the site. Table 2 summarizes the owner, well construction specifications geology, pump test data and use for these wells. The depth to water at the site is approximately 5 feet below the surface. The aquifer yields from these unconsolidated deposits range from 100-300 gpm. The water-bearing deposits of interbedded sand and gravel are very permeable and can transmit large quantities of water. However, recharge of these deposits is slow because of the subsurface geology, and therefore, they do not receive water from infiltration of precipitation. The City of Jamestown, N.Y. water supply is derived from a well field several miles north-northeast of the site.

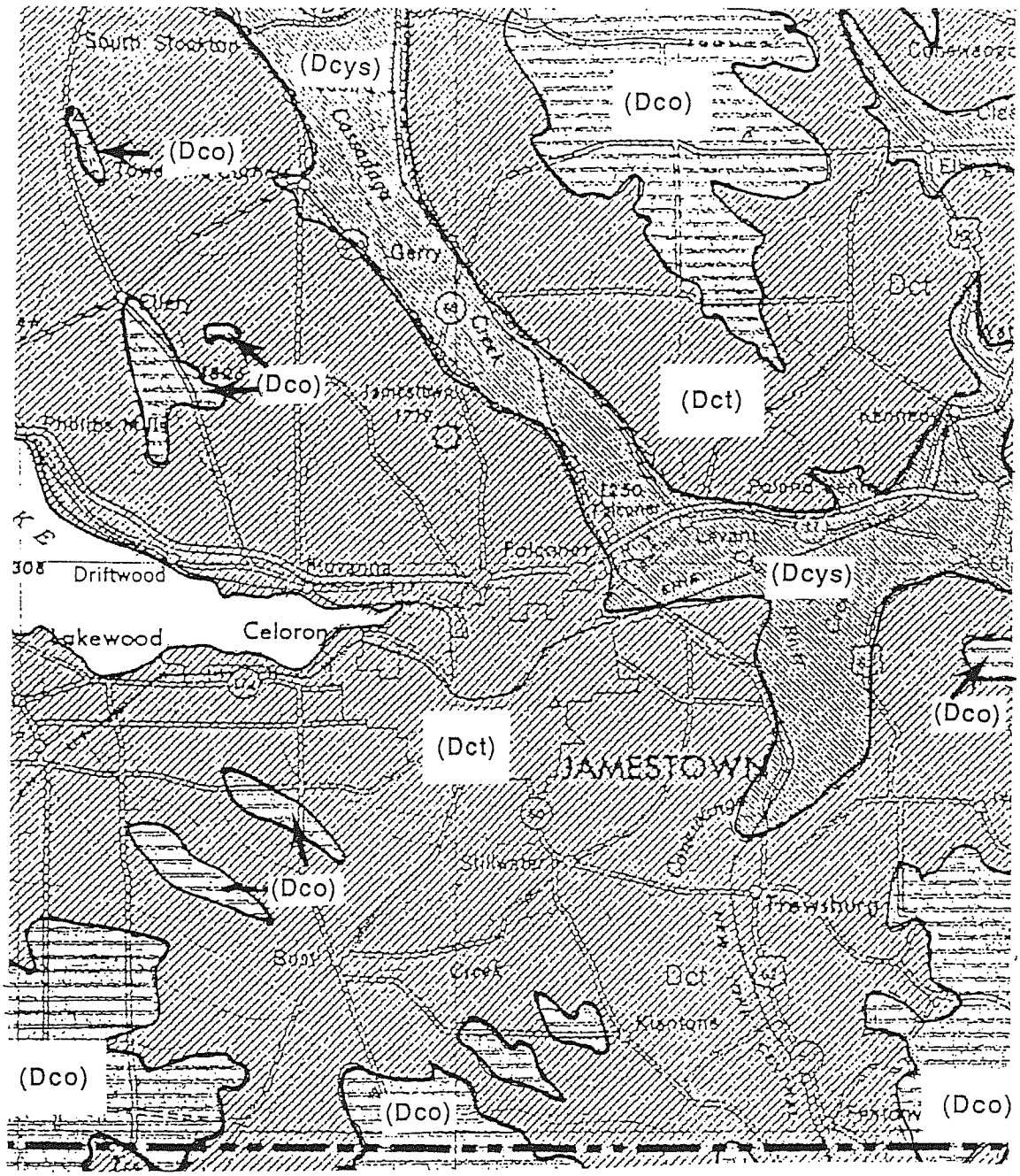
Table 3 summarizes the limited groundwater quality data available in the surrounding area of the site. Based on a survey of the Chadakoin River, conducted by the New York State Department of Health, toxic concentrations of cyanide, lead, zinc, and copper were reported in the river water (Crain, 1966). Therefore, a majority of the shallow groundwater adjacent to the Chadakoin River is either unsafe or potentially unsafe for domestic use.

5.4 SOIL GAS/GROUND WATER SURVEY

A soil gas/ground water investigation was conducted by Hydro Geo Chem, Inc. under contract to Dames & Moore. The investigation was designed to evaluate the surface and near surface distribution of aromatic compounds and chlorinated hydrocarbons, if any, on the site.

5.4.1 Background Information

Soil gas surveys consist of the sampling and analysis of the soil gases that reside in the pore space of the unsaturated zone above the water table. Because many of the common organic compounds and industrial solvents exhibit significant vapor pressures and are relatively insoluble in water, their introduction into subsurface soils results in vapor phase permeation and transport. Should these chemicals reach the water table and travel with the ground water, vapors will continue to emanate from the contaminated ground water into overlying soil. Thus organic contamination of the subsurface or ground water can be detected by measuring the concentration of volatile organics in the soil gas.



GEOLOGIC FORMATIONS IN THE VICINITY OF THE SITE

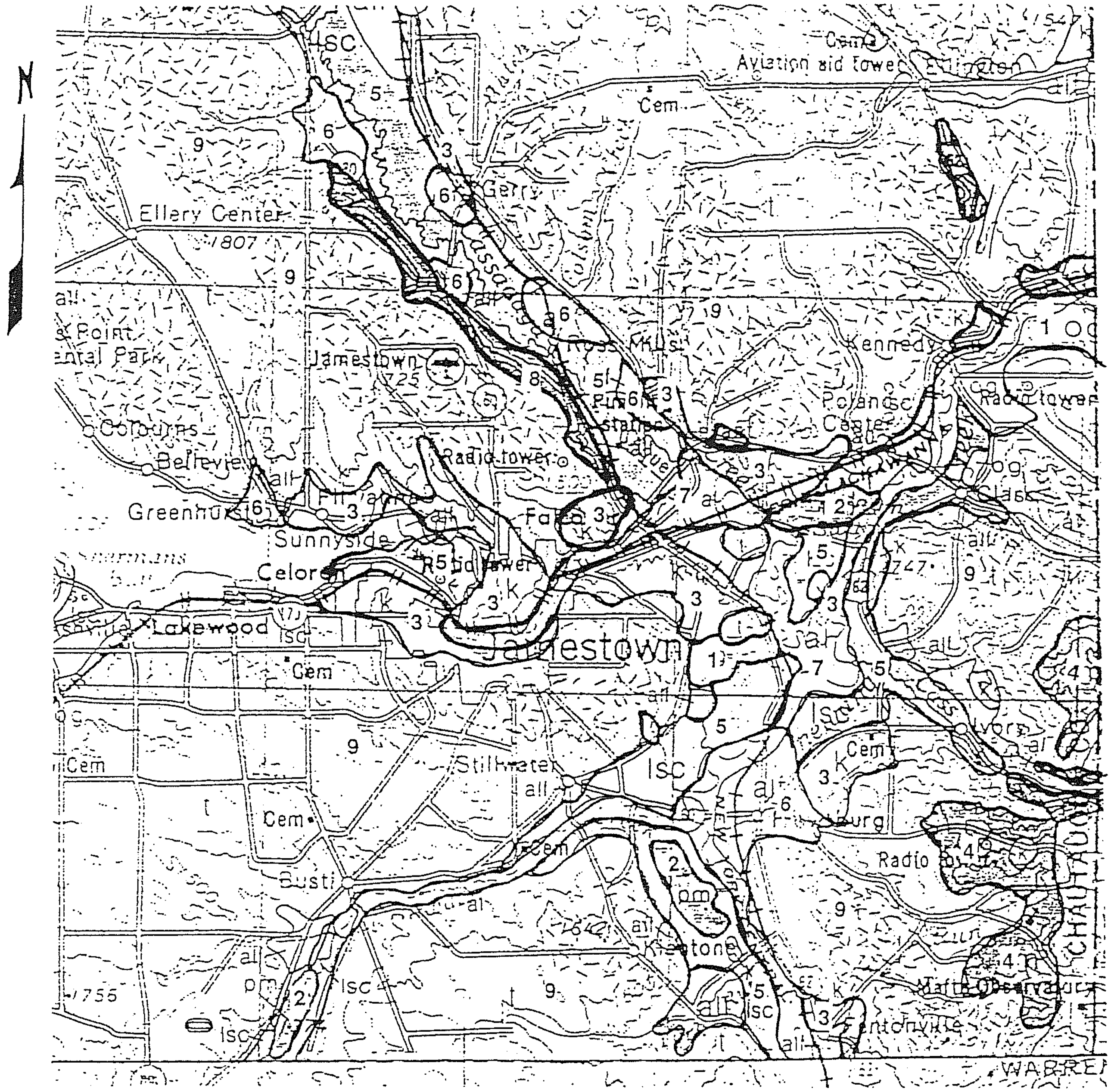
CONEWANGO GROUP (Dco)
CONNEAUT (Dct)
CANADAWAY (Dcys)

SCALE

0 5 MILES

SOURCE: RICKARD, L.V. AND FISCHER, D.W.

Dames & Moore
FIGURE 7



SURFICIAL GEOLOGY MAP OF NEW YORK

SOURCE: CADWELL, 1988

1 og - OUTWASH SAND & GRAVEL

2 pm - SWAMP DEPOSITS

3 k - KAME DEPOSITS

4 tm - TILL MORAINE

5 lsc - LACUSTRINE SILT & CLAY

6 alf - ALLUVIAL FAN

7 al - RECENT DEPOSITS

8 r - BEDROCK

9 t - TILL

SCALE

0 5 MILES

Dames & Moore

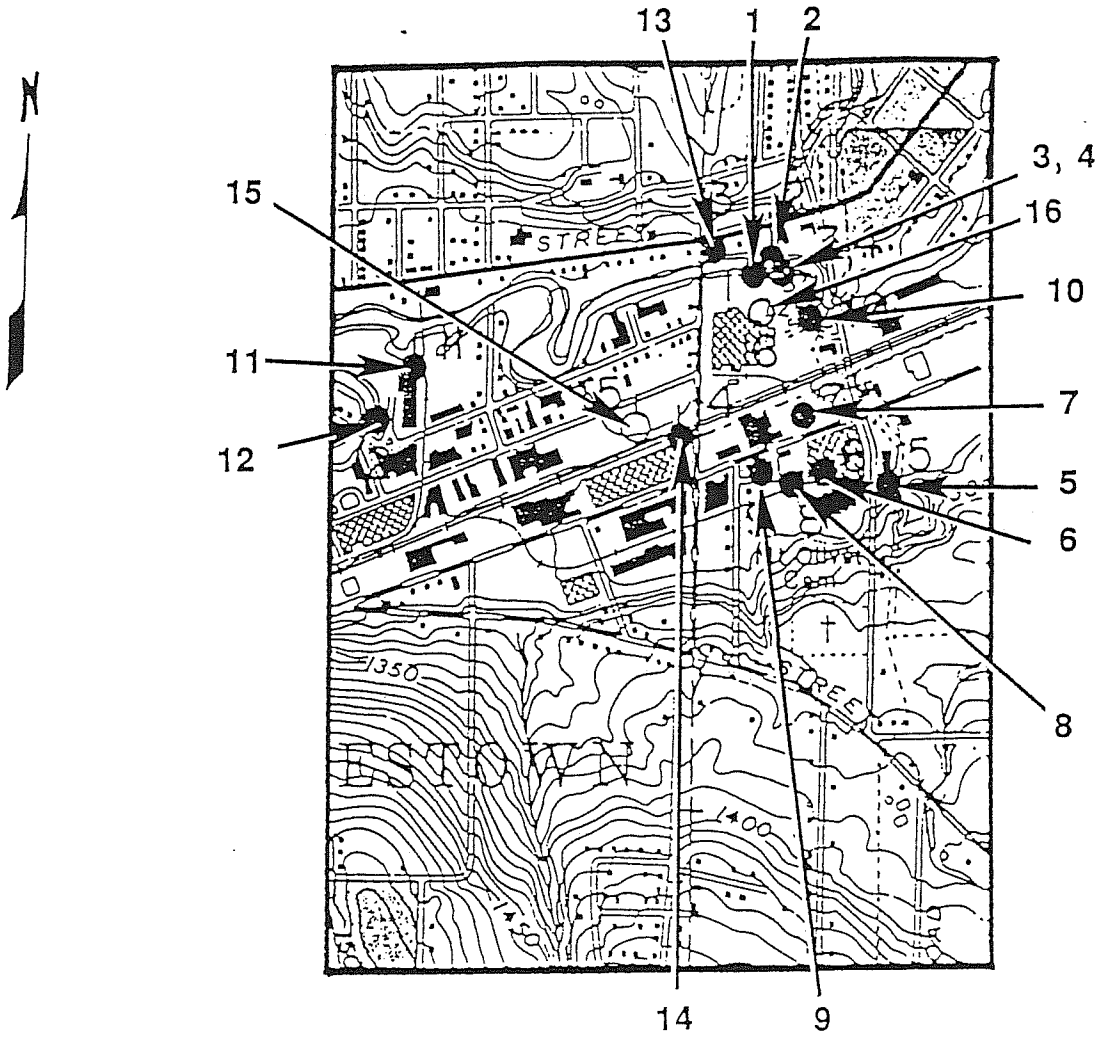
FIGURE 8

TABLE 2 RECORDS OF SELECTED WELLS AND TEST HOLES IN THE JAMESTOWN AREA

Well Number	Owner or Occupant	Years Completed	Type of Well	Depth of Well (feet)	Diameter (inches)	Depth to Bedrock (feet)	Water-Bearing Material	Altitude above sea level (feet)	Water Level below land surface (feet)	Date	Method of Lift	Estimated pumpage (gallons per day)	Use	Remarks
210-915-1	A. and E. Mangine	1962	Drl, Jet	r240	4 1/2, 3	r571	Sand and Gravel	1250	16.9	6/7/63	SW	-----	C	Anal: temp 53.2 8/23/60; H2S; yield 75 gpm (r); driller reports that well was drilled to rock and then casing was pulled back to 240 ft. below LS; flows 12 gpm at 4.5 ft.
210-915-2	A. and E. Mangine	1952	Drl	r138	7	-----	Sand and Gravel	b 1,250	9.1	6/7/63	-----	-----	C	Log; anal; temp 55.0 6/15/61; yield 50 gpm with 31.0 ft. of dd; flows 5 gpm at 3.7 ft above LS; used only in spring.
210-915-4	K. Asel	-----	Drl	r125	7	-----	Sand and Gravel	1,280	-----	-----	SW	250	D, C	
210-915-5	R. Heath	-----	Drl	r980	8	r90	Bedrock	1,300	-----	-----	-----	-----	G	Used intermittently; principal water-bearing zone in bedrock at 110 feet below LS
210-915-6	W. Wagner	1952	Drl	r72	6	-----	Sand and Gravel	1,300	-----	-----	DW	300	C	
210-915-7	H. Pearson	-----	Drl	r100	7	r30	Bedrock	1,310	-----	-----	DW	800	C	H2S
210-915-8	R. Heath	1927	Drl	r80	5	-----	Sand and Gravel	1,300	r14	-----	SW	100	D	Anal.
210-915-9	R. Overturf	-----	Drl	79	7	-----	Sand and Gravel	1,295	39.3	11/8/60	DW	300	C	
210-915-10	M. Plaster	-----	Drl	122	7	-----	Sand and Gravel	b1,274	23.7	11/8/60	DW	150	D	Iron
210-915-11	C. Batterson	1955	Drl	r104	7	-----	Sand and Gravel	1,275	23	11/8/60	DW	100	D	Anal.
210-915-12	N.Y.S. Dept. of Public Works	1959	Drl	127	3	-----	Silt	s1,257.4	r10.2	6/4/59	-----	-----	T, De	Log.

b = Before
Drl = Drilled
r=Reported
DW = Deep Well
Sw = Shallow Well
gpm = Gallons per minute
log. = Graphical log in this report
(r) = Reported information
Anal. = Chemical analysis in this report
C = Commercial
D = Domestic
dd. = Drawdown
De = Destroyed
G = Gas or Oil
LS = Land Surface
T = Test
Jet = jetted
s = altitude of land surface measured by surveying instruments

(Crain, 1966)



LOCATION OF WATER WELLS IN THE VICINITY OF THE SITE

SCALE

0 2000 FT

Dames & Moore

FIGURE 9

The concentration of a volatile organic compound (VOC) in soil gas is a complex function of the distribution of the organic compound and its interaction with the soil. This interaction is a function of a number of soil parameters including soil particle size and mineralogy, the soil's natural and anthropogenic organic content, soil moisture, temperature, lithology, and heterogeneity. Therefore, semi-quantitative estimates of soil contamination due to spills can be obtained using soil gas data.

Whatever the source of the VOC in soil gas, its concentration is representative of soils contamination at the point of measurement. Volatile organic contaminants are found in the gas phase in unsaturated pore spaces, in the water contained in the unsaturated soils, and sorbed on the soil particles. The partitioning of the VOC between these three phases is dependent on both the soil properties and the chemical properties of the organic compound. Soil contamination is the sum of the VOC's contained in the three phases. Since equilibrium between these phases is generally rapid compared to the rate of gaseous diffusion, soil gas concentrations can be interpreted to determine the concentrations of VOC's also present in the soil moisture and soil particles. The major uncertainties in estimating soils contamination directly from soil gas concentrations are the moisture and organic content of the soils. Chemical properties of particular organic compounds are well known, (i.e., vapor pressure, solubility), and the other soil parameters (i.e., bulk density, porosity) have relatively little effect on soil concentration estimates. The following equation (Bently and Walter, 1988) relates soil gas concentrations to total soil concentrations.

$$\frac{C_g}{C_T} = \frac{K_{ws}\rho b}{K_{gw}} + \frac{\theta_w}{K_{gw}} + (\theta_T - \theta_w) \qquad -1$$

where C_g is the concentration in the gas [M/V air]
C_T is the concentration in the soil [M/V bulk volume soil]
K_{ws} is the water-solid distribution coefficient [M/M solid/M/V water]
ρb is the bulk soil density [M/V solid]
K_{gw} is the gas-water distribution coefficient [M/V air/M/V water]
θ_w is the water filled porosity
θ_T is the total porosity

The gas-water distribution coefficient (dimensionless Henry's law constant) is

$$K_{gw} = C_g/C_w \cong \rho_g/S$$

where ρ_g is the saturated vapor density [M/V] and
S is the solubility [M/V].

The water-solid distribution coefficient is approximately

$$K_{ws} = \frac{C_S}{C_W} = \frac{K_{OC} \cdot \%OC}{100}$$

where C_S is the concentration in the solid (mg/gm)
C_W is the concentration in the water (mg/ml)
K_{oc} is the water-organic carbon distribution coefficient
%OC is the percent organic carbon in the soil

The above discussion addresses the use of soil gas VOC concentrations to determine total soil VOC concentration. Use of soil gas to infer concentrations of sources at distance (such as ground water plumes) is necessarily much more qualitative. Use of soil gas data for this procedure is limited by the lack of information on distribution of soil parameters interposed between the source and sampling point. In such cases, however, soil gas can be an excellent relative indicator of soil and/or ground water contamination.

5.4.2 Field Work

A total of ten (10) soil gas samples were collected at the site. The location of the sampling points is shown in Figure 10. The sampling points were selected on indications of surficial spills, stained soil, stressed vegetation and potential leaks. Three (3) groundwater samples were collected at the site. One surface water sample was collected on the site. The location of these sampling points are shown in Figure 10. Each soil gas, groundwater and surface water sample was analyzed for the following compounds:

Tetrachloroethene (PCE)
Trichloroethene (TCE)
1,1, Dichloroethene
1,1,1 Trichloroethane
Benzene

Ethylbenzene
Toluene
Meta and Para Xylene
Ortho Xylene

These compounds were chosen for analysis based upon the chemical inventory list provided to Dames & Moore by the plant management.

5.4.3 Methods and Instrumentation

Sampling probes consisted of 1 inch galvanized pipe tipped by a loosely held hardened steel disposable point. A probe was driven into the ground at each sampling location to refusal (approximately 3-5 feet) using a jeep-mounted hydraulically-activated drive point rig. The probe was then pulled up 6 inches to expose the sampling interval. A regulated vacuum pump was attached to the probe via a stainless steel adaptor. Three to five times the dead volume of the sampling train was purged to ensure that a representative soil gas sample would be collected. The samples were collected by withdrawing the soil gas from the probe using a Hydro Geo Chem designed, computerized mass-flow controller to regulate flow and measure volume sampled. The volatile organics were trapped and concentrated in a glass cartridge contained in a stainless steel housing. The concentrating cartridge was packed with three activated carbons, Carbotrap, Carbopak-B, and Carbosieve S-III, selected to quantitatively trap organics with widely different volatilities. After sampling, the cartridges were brought to the on-site mobile laboratory for analysis.

Gas chromatographic techniques were used to identify and measure concentrations of the various compounds. The cartridges were desorbed at a temperature of 380°C using a thermal desorbtion unit. Samples were injected by the desorber into a gas chromatograph equipped with a capillary column and a Hall Conductivity Detector and a photoionization (PID) detector.

The make and model of the equipment used to perform these on-site analyses included:

Envirochem 850 Thermal Tube Desorber
Varian 3400 Gas Chromatograph
Tracor 1000A Hall Detector
Tracor 703 PID Detector
Varian Flame Ionization (FID) Detector

DB 624 30m Megabore column, J.W. Scientific
1/16" Nickel on Chromosorb W-HP 80-100 column, Varian
Nelson Analytical Computing Integrator 900 series

Quality control and quality assurance were achieved through strict experimental protocol. Chain of custody procedures were observed. All parts of the collection system that come in contact with a sample were cleaned before each use. A systems blank and three calibration runs were performed at the beginning of each day, and additional calibration runs were performed at the beginning of each day and additional calibrations after every 10 samples.

Standards were prepared from stock mixtures of neat reagent grade compounds prepared by weighting each compound addition to the mixture and weighing an aliquot volume of the final mixture to establish density (weight/volume). For preparation of daily standards, a measured volume of the standard mixture was injected into a nitrogen-filled 1-liter glass gas bottle through a septum side port. A measured volume of the resulting gas mixture was then injected into a 200-ml/min helium stream feeding a glass, carbon-packed concentrating cartridge. After two minutes the cartridge was transferred to the thermal desorber and analyzed exactly as the soil-gas samples.

Prior to each day's sampling atmospheric field blanks of the entire sampling apparatus were collected and analyzed to check background contamination in the sampling system and cartridges. In addition, serial duplicates were taken from 10% of the sample locations as a measure of reproductivity.

Detection limits were 0.01 micrograms or less per liter for all compounds analyzed. Analyses are reported to three significant figures; the minimum amount reported is 0.01 micrograms/liter. In some of the analyses, high levels of a compound may have interfered with and prevented detection of a compound present at a very low level and possessing a similar chromatographic retention time. Also, some of the very low levels of aromatic compounds may have been due to a memory effect from a previous high concentration injection. Attempts were made to minimize this possibility by baking out the system after high concentrations had been analyzed.

5.4.4 Analytical Results

Table 4 summarizes the soil gas, groundwater and surface water concentration data measured at the plant. The soil gas measurements are used as an indicator of subsurface soil contamination. The soil gas measurements presented in Table 4 indicate that several of the targeted

VOC compounds are present at low concentrations. The soil concentration inferred from these values are well below the lower range Federal EPA cleanup criteria for volatile organic compounds.

Three ground water and one surface water sample were collected at the plant. The reported concentrations are within the New York State Ambient Water Quality Standards and Guidance Values except for Trichloroethene (TCE) which at groundwater sampling location 409 near the Main Plant (Figure 10), the reported level was 132 ±13.2 ppb. Two measurements at location 414 across the river near the plating operation were reported at 118 ppb and 87.8 ppb. The New York Standard for TCE in the groundwater is 10 ppb. The Federal EPA Standard for TCE in groundwater is 5 ppb. This TCE contamination appears limited in scope. The extent of contamination should be defined through further groundwater sampling.

A recommendation as to a stripping operation which would bring the groundwater within drinking water standards is provided in Section 7.

5.5 TOPOGRAPHY/DRAINAGE PATTERNS

The property is relatively flat-lying with an average elevation of 1295 feet MSL. The range in elevation of the property is 1290 to 1300 feet MSL, gently sloping to the northwest and southeast (Figure 10).

Surface water runoff follows the contours of the land. On the west side of the Chadakoin River, surface water flows in a southeast-east direction. Surface water which collects on the east side of the river flows west. The runoff from the property discharges into the Chadakoin River which flows between buildings. The primary drainage pattern of the surrounding area is towards the Chadakoin River. This river eventually continues into the Allegheny-Ohio-Mississippi River system.

5.6 METEOROLOGY

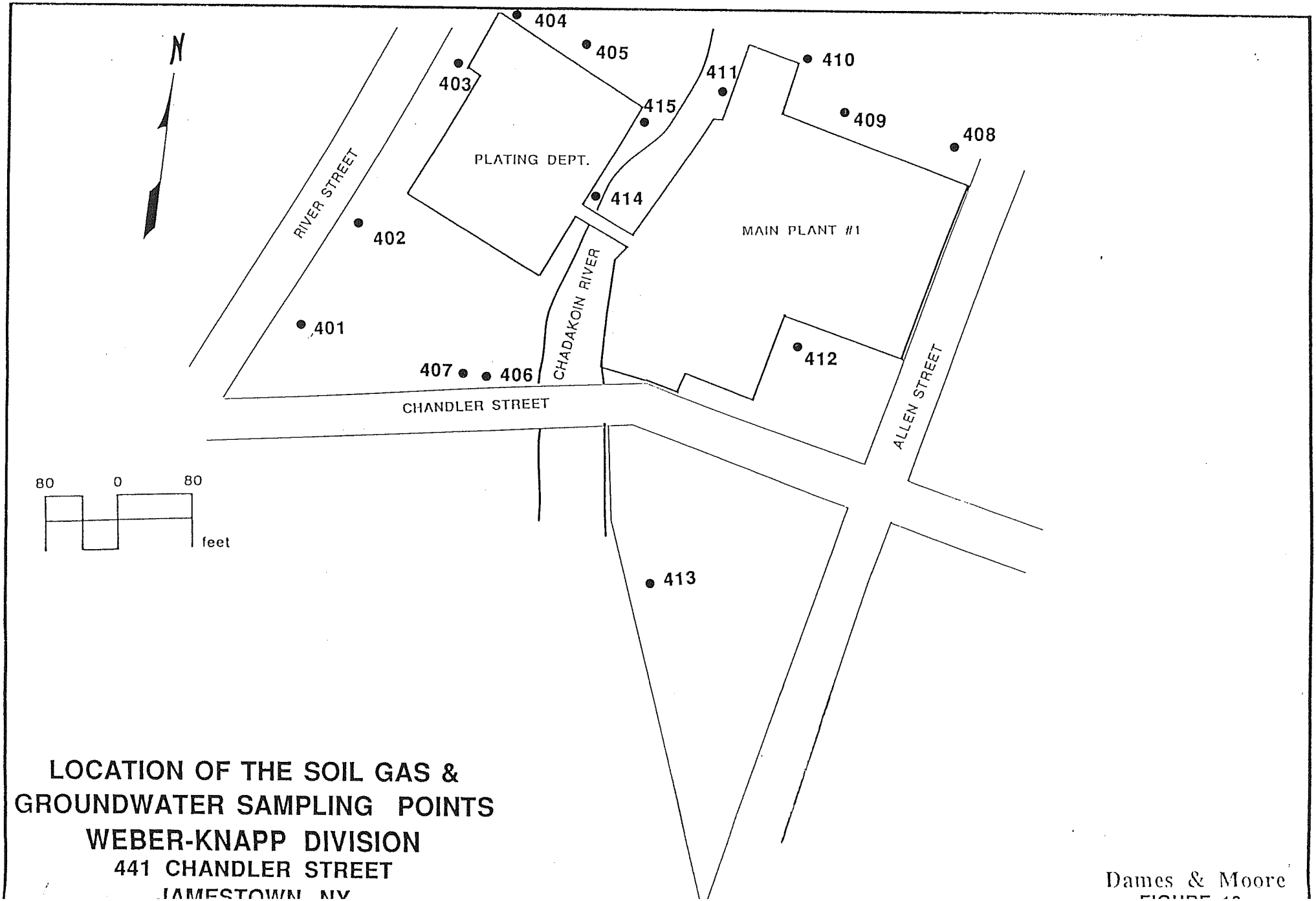
Pertinent site meteorological data was developed by Dames & Moore for a nearby location in Cattaraugus County, New York, approximately 35 miles northeast of the site. This data is provided as Appendix P.

Table 4
Soil Gas/Groundwater/Surface Water Analytical Results
Weber-Knapp Plant 1
Jamestown, New York

Sample	Depth	1 1 DCE	1 1 1 TCA	TCE	PCE	Benzene	Toluene	Ethly Benzene	M & P Xylenes	O-Xylene
Soil Gas (ug/L)*										
FB25JAN		0	0	0	0	0	0	0	0	0
CH401A	5'	0	0	0	1.11	0	0	0	0	0
CH402A	3'	0	0	0	1.45	0.01	0	0	0	0
CH403A	3'	0	0	0	1.48	0.07	0.04	0	0	0
CH404B	3'	0	0	0	1.06	0	0	0	0.3	0
CH406A	5'	0	0	0	0	0	0	0	0	0
CH407A	5'	0	0	0	0	0	0	0	0	0
CH408A	5'	0	0	0	0	0	0.26	0	0	0
CH410A	3'	0	0	6.02	0	0	0	0	0	0
CH412A	3'	0	0	2.5	0	0	0	0	0	0
CH413A	3'	0	0	0	0	0	0	0	0	0
Maximum Soil Concentration (ppb)**		0	0	34.9	10.1	0.56	6.24	0	0.52	0
Groundwater (ppb)										
CH409A	5'	0.04	0.01	132	0.28	0	0	0	0	0
CH414A	5'	0	0	118	0	0	0	0	0	0
CH414B	5'	0	0	87.8	0	0	0	0	0	0
CH415A	5'	0	0	0	0	0	0	0	0	0
CH415B	5'	0	0	0	0	0	0	0	0	0
Surface Water (ppb)										
CH411A	0	0	0	0	0	0	0.02	0	0	0

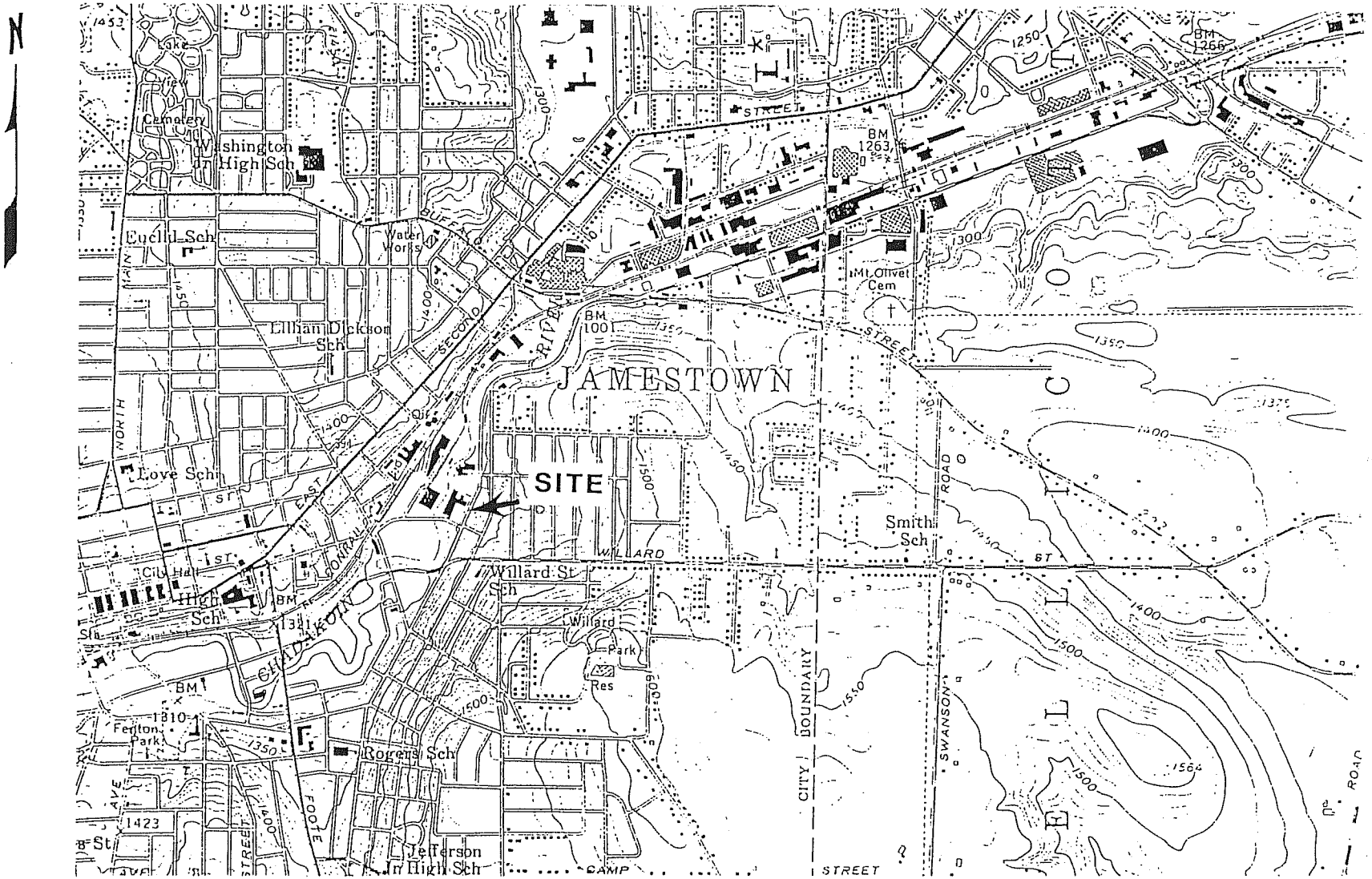
0.0: Less than detection limit of 0.01 uG/L
FB: field Blank
ACY25A: 1st Sample Collected
ACY25B: Duplicate Sample Colected
* Measured in soil gas units converted in analysis to soil concentrations per Section 5.4.1

** Above table values converted to estimated soil concentration in ppb.
The lower limit of action by the EPA for cleanup criterion is 1000 ppb.
The criterion is the summation of the volatile organic compound concentrations.



LOCATION OF THE SOIL GAS & GROUNDWATER SAMPLING POINTS
WEBER-KNAPP DIVISION
441 CHANDLER STREET
JAMESTOWN, NY

Dames & Moore



SCALE

0 2000 FT

TOPOGRAPHIC MAP OF THE SITE AND THE SURROUNDING AREA

WEBER-KNAPP DIVISION

441 CHANDLER STREET
JAMESTOWN, NY

SOURCE: USGS JAMESTOWN, NY 7 1/2' QUADRANGLE

Dames & Moore

FIGURE 11

6.0 REGULATORY REVIEW

File documents, permits issues of past and current compliance, violation notices, inspection logs and reported incidents and spills were reviewed. Information was acquired from Weber-Knapp management personnel and inquiries made to Federal EPA, New York Department of Environmental Conservation Division of Solid and Hazardous Waste, Air, and Water Resources, City of Jamestown Department of Public Works, Chautauqua County Health Department and Jamestown & Falconer Fire Department. Records of telephone conversation with pertinent personnel are provided in Appendix K. The following paragraphs detail issues of regulatory compliance.

6.1 WASTE MANAGEMENT

Weber-Knapp Plant No. 1 has an industrial discharge permit (Permit #011) pursuant to Chapter 24A of City of Jamestown Sewer Use Ordinance, for all wastewater from burnishing operation after pre-treatment in house. Wastewater from floor drains in the bathroom and lavatory drains also discharge to the city sewer system under the industrial permit. The plant also has a SPDES Permit (#NY 3387) under 6NYCRR Parts 750-758 for the discharge of wastewater generated from plating operations to the Chadakoin River. The outfall number for this wastewater discharge is identified as 004.

The Director of Jamestown City Public Works Department confirmed that the plant has not violated any of the Department's requirements. Contacts with NYSDEC on February 10 revealed that the DEC has no record of past or current SPDES Permit violations.

Approximately 109 tons of hazardous wastes of types F002, F006, D001, and D008 are generated annually from the plant operations. The waste is manifested and transported in accordance with 6 NYCRR Part 372. The storage time prior to waste transportation has never exceeded 90 days and the plant is therefore in compliance with 6 NYCRR Part 372(a)(8). Weber Knapp Plant No. 1 has complied with Section 3010 of RCRA by filing the Notice of Hazardous Waste Activity with EPA.

This facility was included in an Administrative Order of Consent, CERCLA-70206 as a Principal Responsible Party involving the prior use of a currently inactive waste disposal site in Falconer, New York, which is on the Federal Superfund list. Weber-Knapp complied to the CERCLA Consent Order and EPA certified that remediation work was conducted in accordance with all the terms of the Order (Appendix K).

6.2 REPORTED SPILLS

No situation involving a spill of reportable quantity of a hazardous chemical at this site (between 1985 and 1988) is reflected in the records of the Chautauqua County Department of Health (Appendix K). Records prior to 1985 were not accessible.

6.3 AIR EMISSIONS

The NYSDEC Division of Regulatory Affairs issued the plant individual operating certificates. These permits are listed in Appendix C. Prior to issuance of these air permits, a NYSDEC Division of Regulatory Affairs Inspection was performed on each unit to ensure application conformance and standards compliance. Since the two boilers (7 million Btu/hr rating) use natural gas as fuel, and have provision of using Fuel Oil #2, these fall under 6 NYCRR Part 201.6(d) exemption and therefore do not require a NYSDEC air permit to operate.

NYSDEC Region IX, advised that there is no record of violations against the plant for its air emissions.

6.4 FIRE INSPECTIONS

No mandatory fire inspections are required at this plant facility as there are no provisions for such inspections in the city ordinance. The Weber-Knapp facilities have adopted a Fire Prevention Inspection Form developed by the Factory Mutual System, their insurance carrier. This form is used to log their monthly fire inspections.

6.5 OCCUPATIONAL HEALTH & SAFETY

The January 24, 1989 site visit was made to generally assess the facility's operations in the context of Good Manufacturing Practices; 29 CFR, Part 1910, Occupational Safety and Health Standards. The standard requires the use of one or more practices, means, methods, operations or processes to provide safe and non-hazardous conditions. Although our visit was necessarily cursory, we did spot records and generally found good practices.

Environmental Permits

Weber-Knapp Division, Plant No. 1
441 Chandler Street
Jamestown, NY

Issue	Permit #	Agency	Issue Date	Expiration Date	Regulatory Agency Assessment
Air Emissions					
Surface Coating	Various	NYSDEC	'85, '88	'89, '92	In compliance
Acid Bath Stripping	Various	NYSDEC	'85, '88	'89, '92	In compliance
Electroplating	Various	NYSDEC	'85, '88	'89, '92	In compliance
Acid Cleaning	Various	NYSDEC	'85, '88	'89, '92	In compliance
Non-ferrous foundry	Various	NYSDEC	'85, '88	'89, '92	In compliance
Polishing & Buffing	Various	NYSDEC	'85, '88	'89, '92	In compliance
Washing & Cleaning	Various	NYSDEC	'85, '88	'89, '92	In compliance
Water Discharge (SPDES Permit)	NY3387	NYSDEC	9/1/87	9/1/92	In compliance
Pre-Treated Waste Water Discharge	011	City of Jamestown	7/30/86	7/29/91	In compliance
UST					
1 10000 gal Fuel Oil Tank	Registered	NYSDEC	12/18/86	none	In compliance
1 3000 gal Cutting Oil Tank	Registered	NYSDEC	12/18/86	none	In compliance
PCB	None Required				
RCRA Hazardous Waste Activity	NYD006015580	USEPA	1983	none	In compliance
TSD	None Required				

7.0 EVALUATION

Issues considered include hazard assessment for on and off-site areas, discussion of actual or potential on and off-site contamination and relatedly, proximity of environmental target areas. Recommendations as to needed actions are provided.

7.1 SUMMARY OF FINDINGS

We conducted selective inspection of operations and relevant regulatory reports. We found the facility to be in general compliance with the following Federal, State and local laws and regulations:

29 CFR, Part 1910; Occupational Safety and Health Standards, 1987;

40 CFR, Parts 260-266, 270; Resource Conservation and Recovery Act (RCRA);

1976 Toxic Substance Control Act;

Air Regulations, 1985-86 Edition, Division of Air Resources, NYSDEC;

6 NYCRR Parts 360, 370, 371, 372, SubParts 373 Division of Solid and Hazardous Waste, NYSDEC; and

Jamestown Sewer Use Ordinance, Chapter 24A of Jamestown City Code.

Inquires made to EPAA, NYSDEC, Chautauqua County Department of Health, Jamestown City Public Works, and Jamestown Fire Department revealed no violations associated with operations at this location.

As noted earlier, Weber-Knapp was earlier designated as a PRP in light of its earlier shipments to a disposal site in Falconer, NY operated by others which is now a Superfund site. EPA has certified that remediation of the site is complete.

Table 5
Chemical used at Weber-Knapp Plant No. 1

Plating Chemicals:	Annual Use
Acid Boric	1100 lbs.
Acid Chromic Flake	500 lbs.
Acid Hydroflouric	275 lbs.
Acid Muriatic	98,000 lbs.
Acid Nitric	50,000 lbs.
Acid Sulphuric	52,800 lbs.
Aqua Ammonia	7500 lbs.
Anodes Brass Balls	4400 lbs.
Anodes Copper Balls	3700 lbs.
Anodes Zinc Balls	1500 lbs.
Nickel Chips	10,469 lbs.
Anode Curved Container	30 pcs.
4 Mesh Dip Basket	4 pcs.
Nickel Penetrate	7600 lbs.
Nickel Penetrate "L"	4550 lbs.
Q-585 Enthobrite	100 gal.
Extender #253	30 gal.
Nickel Chloride	800 lbs.
K-700 Cleaner	8400 lbs.
Clepo 444NP Soak	9600 lbs.
Copper Cyanide	7000 lbs.
Sodium Cyanide	17,000 lbs.
Zinc Cyanide	4900 lbs.
Enthox 992-A	105 gal.
Enthox 992-B	45 gal.
Nickel Sulfate	3500 lbs.
Caustic Soda Beads	500 lbs.
Metex Nickel Strip BR	360 lbs.
Clepo Nickel Strip 17	1000 lbs.
Stripper NP	42 gal.
Copper Sulfate	500 lbs.
Liquid Sulfur	605 lbs.
Jon Cote 614	440 gal.
Jon Cote 711	385 gal.
Wetting Agent 62-A	15 gal.
Mine Lube 1025	700 lbs.
Econo Nickel 440	75 gal.
Econo Nickel 421-B	175 gal.
Econo Nickel 422-B	150 gal.
Econo Nickel 405	125 gal.
Econo Nickel Wet M	90 gal.
Electrosolv	605 gal.
3000 WB Wetting Agent	80 gal.
Econo Nickel 402	60 gal.
Waste Treatment Chemicals	
Sodium Bisulfite	6000 lbs.
Hydrated Lime	40,000 lbs.
50% Liquid Caustic	9000 gal.
Liquid Chlorine	12-1 ton cyl.
Sodium Hydrosulfite	250 lbs.
Sulphur Dioxide	3-150 lb. cyl.
Sodium Hypochlorite	1595 gal.
Ferous Sulphate	4100 lbs.

7.2 CHEMICAL STORAGE AND RELATED ENVIRONMENTAL RISKS

The Weber-Knapp Chandler Street plant has a large number of chemicals in solid, liquid and gaseous form which are used in the plating operations, painting, and in the waste treatment processes. A listing of these chemicals with the nominal quantities used in a year is given in Table 5. The quantities in storage are generally on the order of 10 to 20% of the annual consumption.

In general the solid chemicals and most of the liquid are of relatively low toxicity and if spilled or inadvertently released would be immediately isolated and recovered and hence would not represent a significant environmental risk. The in-plant situation and the potential risk to those directly involved in the clean-up is controlled by the plant safety procedures and OSHA Regulations.

The highly volatile liquids (e.g. trichloroethylene), and those acids which have the potential to release toxic gases (muriatic and nitric) are the principal liquids of concern. The quantities of these materials stored on-site would present no unusual industrial risk and negligible off-site concerns.

Flammable liquids are stored and utilized at the facility, which is typical of painting operations. Off-site environmental effects of inadvertent release would be nominal and the routine release of these materials is controlled under the NYSDEC regulations.

Cyanides are the most hazardous solid materials stored at the facility. Because cyanide is stored in a solid form, there is no transport mechanism to mobilize it in a way which could cause a significant environmental risk. If cyanide were to be spilled in the plant, the product could be readily cleaned up.

Approximately 1 to 4, 2000 pound chlorine cylinders are stored at the site at any one time. These cylinders are filled at the vendor and transported to the site. These containers are designed, fabricated and tested to rigorous transportation standards and hence the probability of cylinder failure in a static setting at the plant is very low. The quantity of chlorine stored at this facility is less than that typically carried over adjacent highways and through major population centers and as such represents a low environmental risk.

Another waste treatment gas, sulphur dioxide, has toxicity levels similar to that of chlorine. As shown in Table 5, sulphur dioxide is present in much smaller quantities. It is transported in cylinders as a compressed gas. Such cylinders are filled at the vendor's facility. Sulphur dioxide represents a lower off-site risk than does the chlorine and therefore would not be particularly influential in site risk assessment.

Weber-Knapp Plant No. 1 has in place contingency plans and emergency procedures which specifically deal with trichloroethylene, cyanides, chlorine and other chemicals. Based upon the emergency procedures in place at the facility and the quantities of chemicals stored at the site, the off-site environmental risk is typical of small industrial operations.

7.3 SURFICIAL CHEMICAL RELEASES (SPILLS)

In assessing the potential environmental risks associated with surficial chemical releases or spills, the probability and consequences of such events are estimated in light of past spill history, quantities of chemicals stored on-site, and location site. The Weber-Knapp Plant No. 1 has an excellent record. No off-site/on-site spills or releases are recorded. The chemicals stored on-site are of low volume. If a spill occurs, it can be controlled as outlined in the Contingency Plan (Appendix H). Based upon these criteria, a spill at the facility should be readily confined and recovered, and therefore presents no unusual environmental risk. In light of the TCE levels in groundwater however, procedures for handling this and other hazardous chemicals should be reviewed to assure control of even minor spills.

RECOMMENDATIONS

Upgraded procedures to prevent spills. Groundwater sampling in the vicinity of both buildings to establish the extent of TCE contamination and detect the presence of other non-volatile contaminants. Utilization of stripper equipment to bring on-site shallow groundwater levels within drinking water standards. Estimated cost for the foregoing actions is estimated to be in the range of $25,000 to $50,000.

REFERENCES

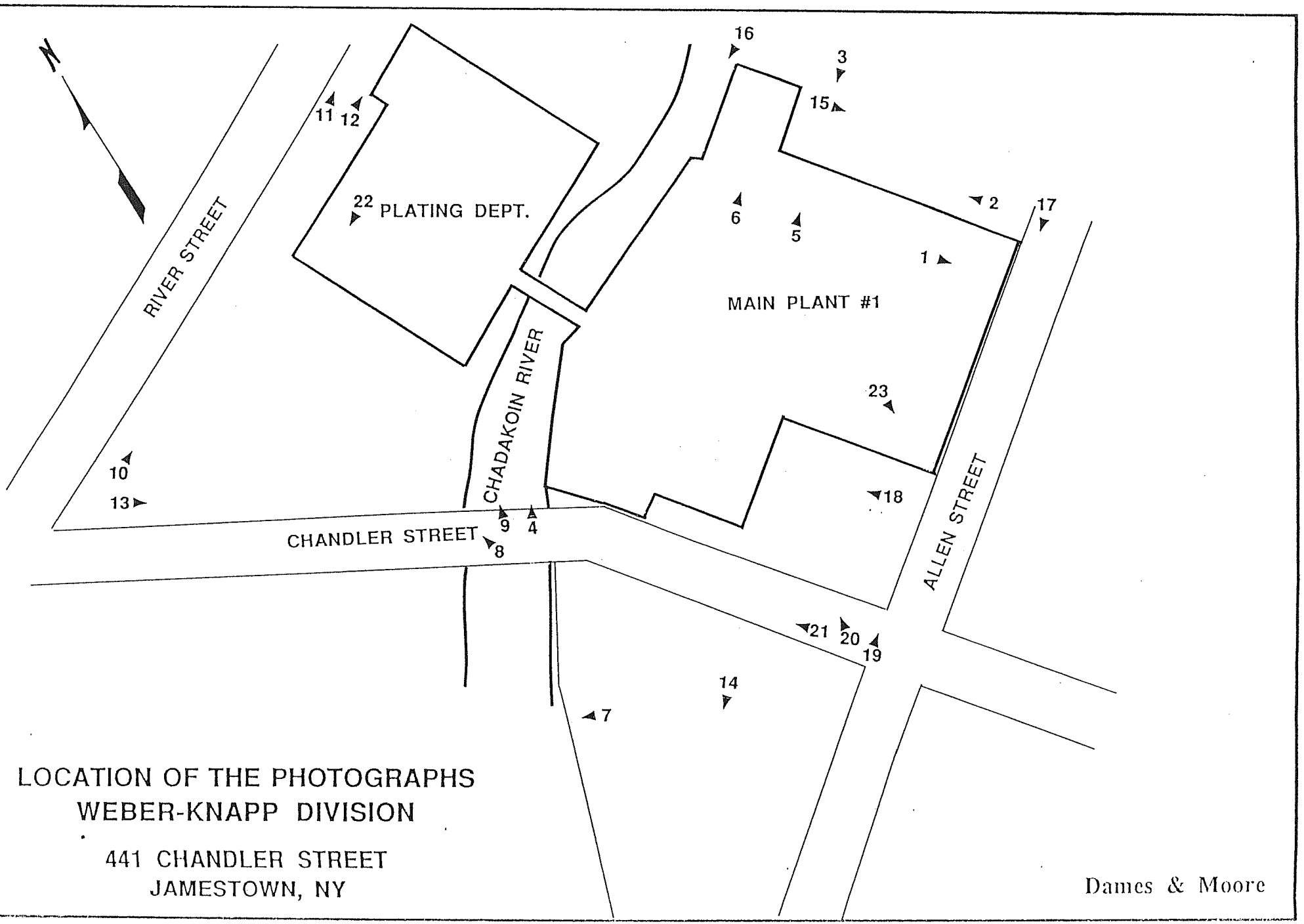
1. Bentley, H.W., and Walter, G.R.,1988. Proceedings of the Arizona Hydrologic Society Meetings, Phoenix, Arizona (in preparation).

2. Cadwell, D.H., 1988, Surficial Geologic Map of New York, Niagara Street

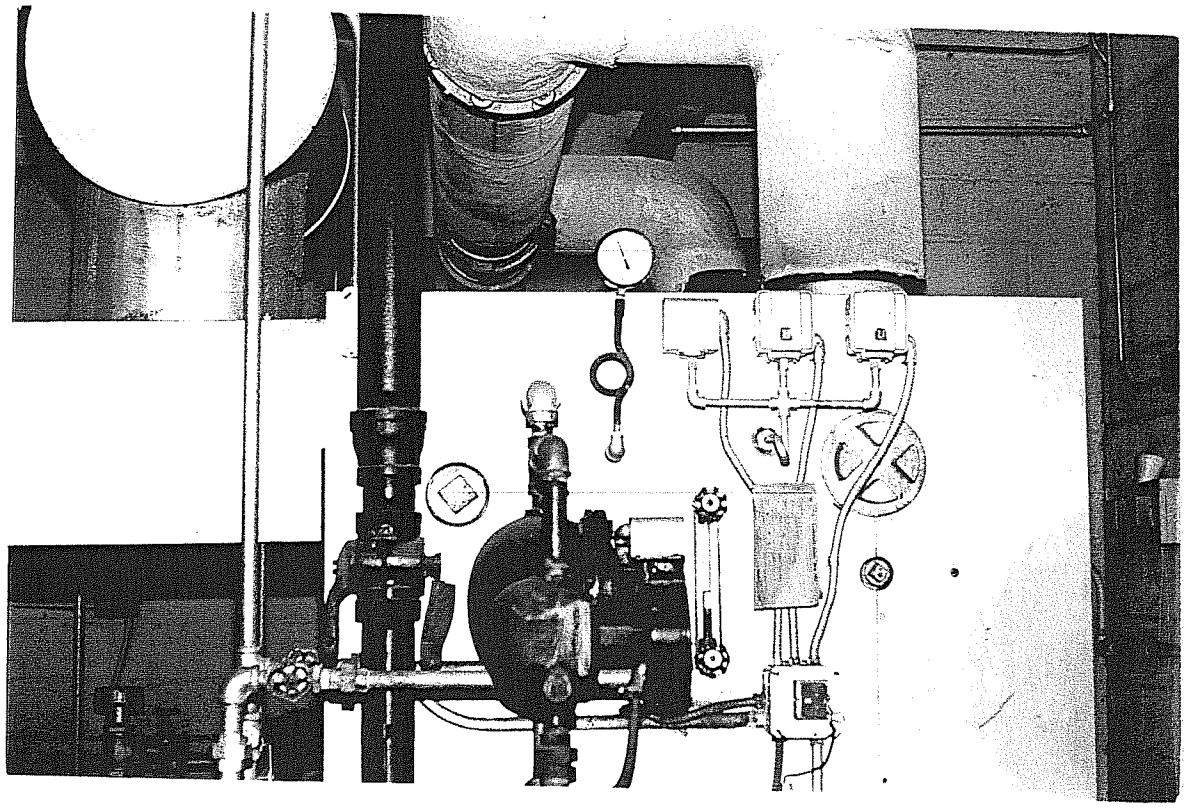
3. Crain, L.J., 1966, Ground-Water Resources of the Jamestown Area, New York. Water Resources Comm. Bulletin 58.

4. Rickard, L.U., and Fischer, D.W., 1970, Geologic Map of New York Niagara Street.

5. United States Department of Agriculture, (In preparation) Soil Conservation Service Chautaugua County Soil Survey.


N
RIVER STREET
11
12
22 PLATING DEPT.
16
3
15
6
5
2
17
1
MAIN PLANT #1
CHADAKOIN RIVER
23
10
13
CHANDLER STREET
9
4
8
18
ALLEN STREET
21
20
19
14
7
LOCATION OF THE PHOTOGRAPHS
WEBER-KNAPP DIVISION
441 CHANDLER STREET
JAMESTOWN, NY
Dames & Moore

PROJECT PHOTO LOG



CLIENT Babcock Industries JOB # 18286-001

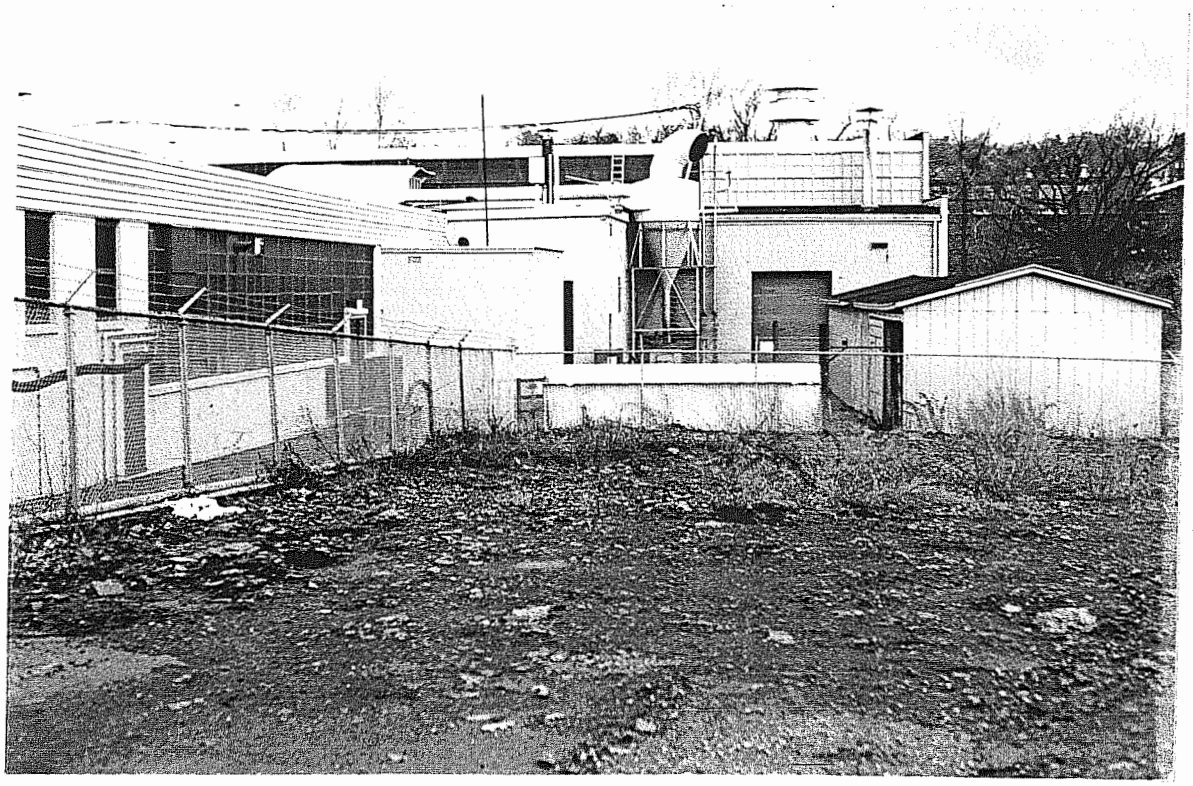
SITE LOCATION Weber-Knapp Plant 1 - Chandler Street, Jamestown, NY

DATE OF PHOTO 11-10-88

DESCRIPTION

View of boiler and asbestos pipe insulation, Weber-Knapp Plant 1.

PROJECT PHOTO LOG



CLIENT Babcock Industries JOB # 18286-001

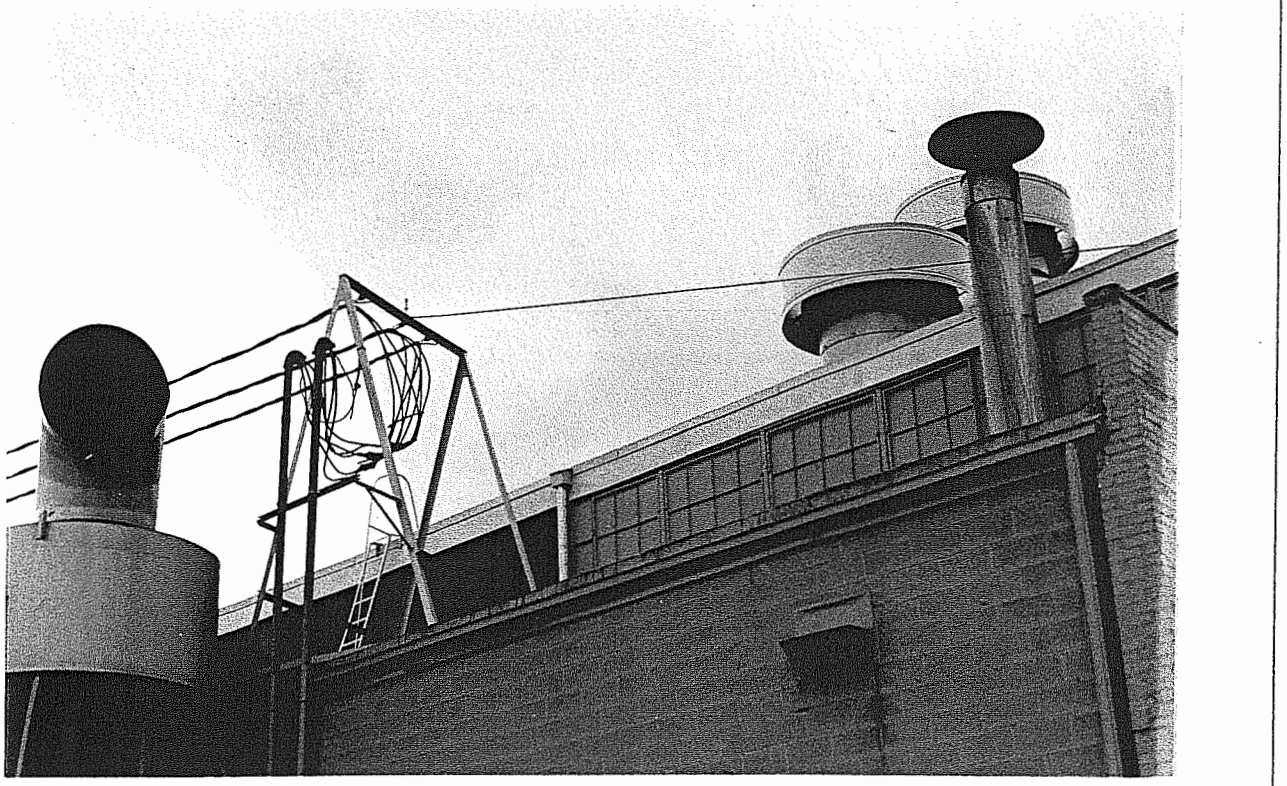
SITE LOCATION Weber-Knapp Plant 1 - Chandler Street, Jamestown, NY

DATE OF PHOTO 11-10-88

DESCRIPTION

Looking northward at the main plant. In the foreground is the remains of a demolished machining company (lot presently owned by the city of Jamestown). Shed to the right is a storage area.

PROJECT PHOTO LOG



CLIENT Babcock Industries JOB # 18286-001

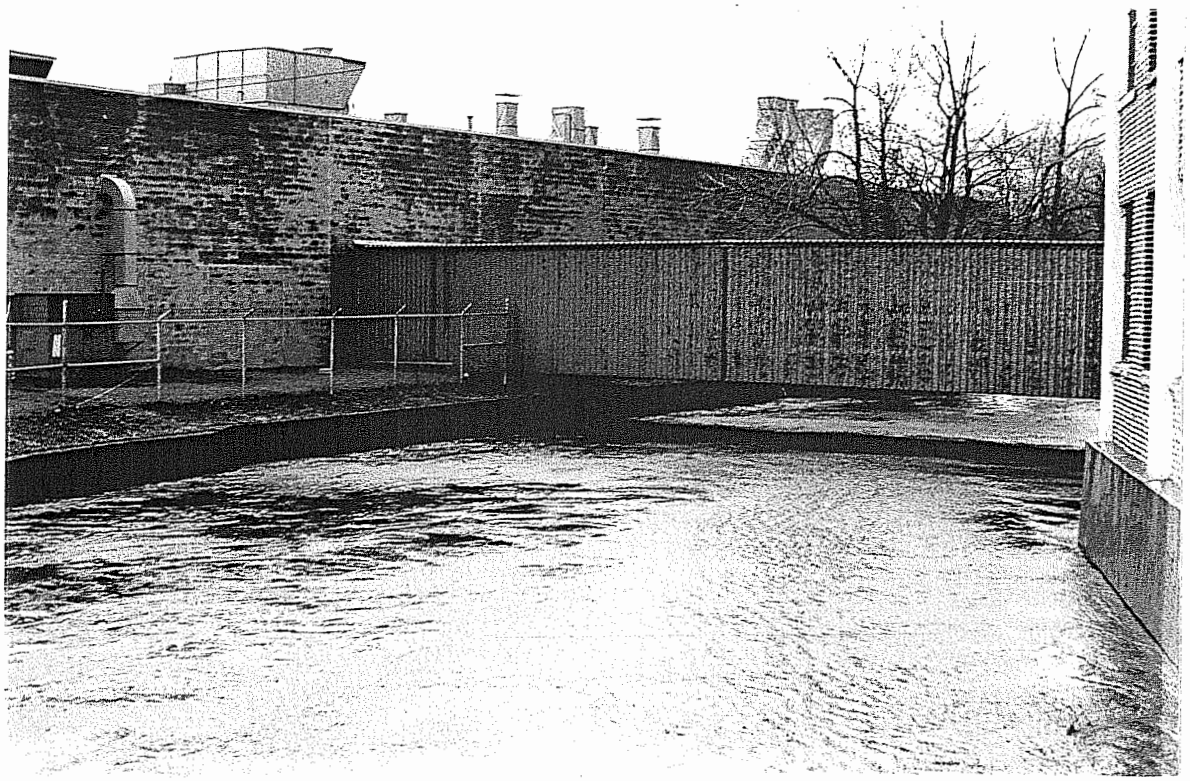
SITE LOCATION Weber-Knapp Plant 1 - Chandler Street, Jamestown, NY

DATE OF PHOTO 11-10-88

DESCRIPTION

Looking Southeast at roof stacks at the main plant.

PROJECT PHOTO LOG



CLIENT Babcock Industries JOB # 18286-001

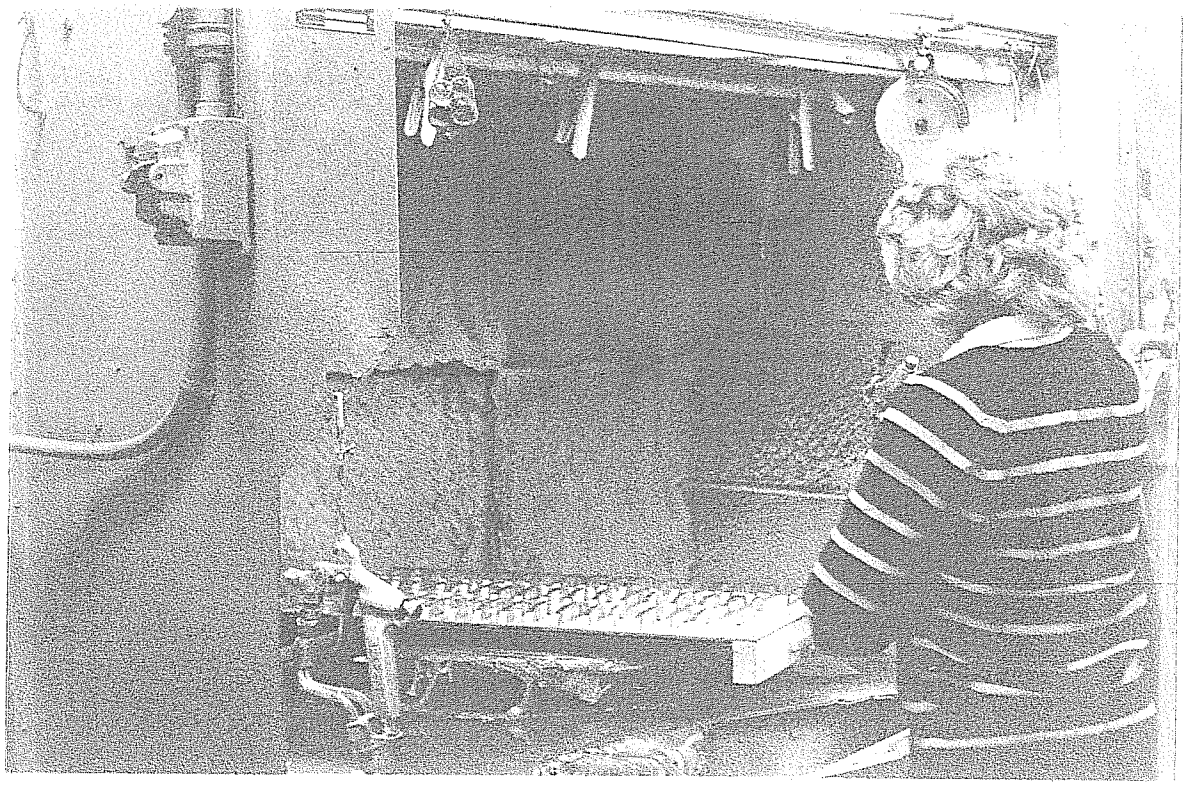
SITE LOCATION Weber-Knapp Plant 1 - Chandler Street, Jamestown, NY

DATE OF PHOTO 11-10-88

DESCRIPTION

Looking eastward at the connecting tunnel between the main plant (on the right) and the plating plant (on the left).

PROJECT PHOTO LOG



CLIENT Babcock Industries JOB # 18286-001

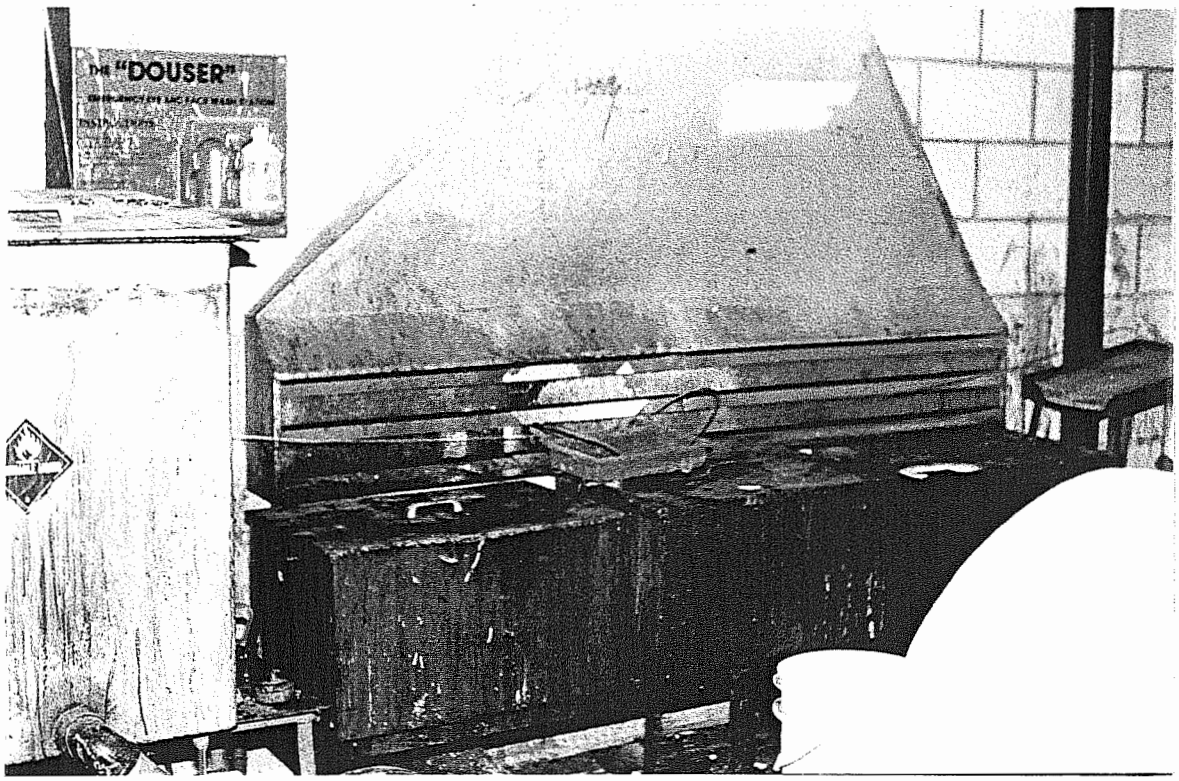
SITE LOCATION Weber-Knapp Plant 1 - Chandler Street, Jamestown, NY

DATE OF PHOTO 11-10-88

DESCRIPTION

View of paint spray booth in manufacturing department, main plant.

PROJECT PHOTO LOG



CLIENT Babcock Industries JOB # 18286-001

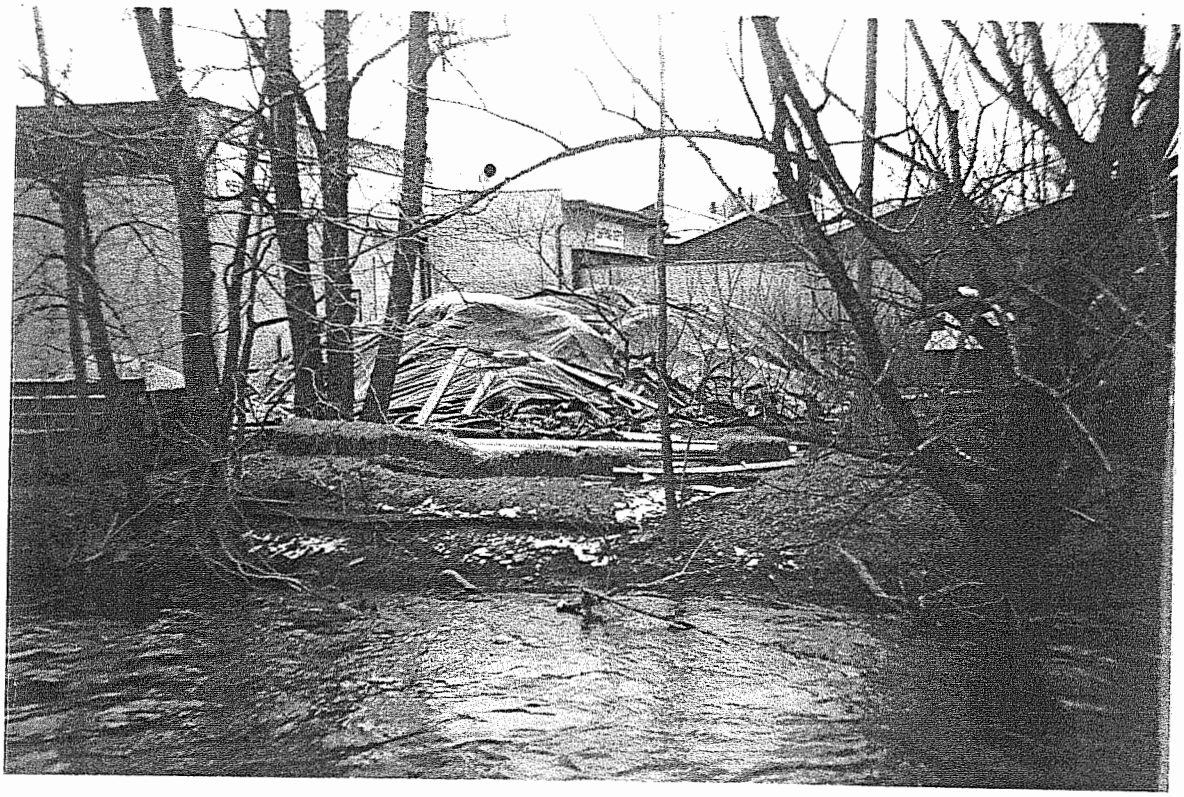
SITE LOCATION Weber-Knapp Plant 1 - Chandler Street, Jamestown, NY

DATE OF PHOTO 11-10-88

DESCRIPTION

View of solvent cleaning tanks and exhaust hood, main plant.

PROJECT PHOTO LOG



CLIENT Babcock Industries JOB # 18286-001

SITE LOCATION Weber-Knapp Plant 1 - Chandler Street, Jamestown, NY

DATE OF PHOTO 11-10-88

DESCRIPTION

Looking North from triangular parking lot of Weber-Knapp at SKF Aerospace property. In the foreground is the Chadakoin River.

PROJECT PHOTO LOG

CLIENT Babcock Industries JOB # 18286-001

SITE LOCATION Weber-Knapp Plant 1 - Chandler Street, Jamestown, NY

DATE OF PHOTO 11-10-88

DESCRIPTION

Looking northward at the plating plant's parking lot along Chandler Street. Chadakoin River is in the foreground.

PROJECT PHOTO LOG

CLIENT Babcock Industries JOB # 18286-001

SITE LOCATION Weber-Knapp Plant 1 - Chandler Street, Jamestown, NY

DATE OF PHOTO 11-10-88

DESCRIPTION

Looking northeastward at the plating plant's parking lot. Visible are some stacks from the plating plant. The Chadakoin River is in the foreground.

PROJECT PHOTO LOG

CLIENT Babcock Industries JOB # 18286-001

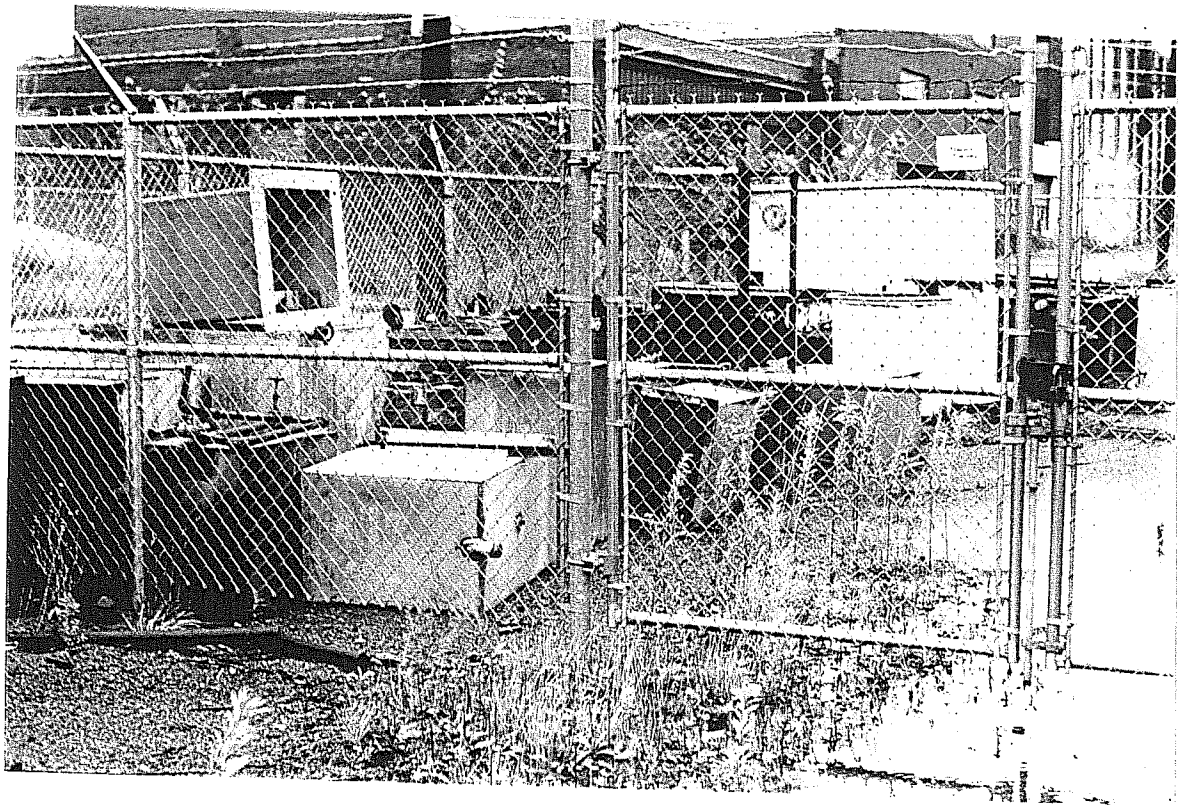
SITE LOCATION Weber-Knapp Plant 1 - Chandler Street, Jamestown, NY

DATE OF PHOTO 11-10-88

DESCRIPTION

View looking East at the plating plant and its parking lot. On the left is River Street.

PROJECT PHOTO LOG



CLIENT Babcock Industries JOB # 18286-001

SITE LOCATION Weber-Knapp Plant 1 - Chandler Street, Jamestown, NY

DATE OF PHOTO 11-10-88

DESCRIPTION

Looking East at fenced in storage area behind the plating plant. River Street is to the left.

PROJECT PHOTO LOG

CLIENT Babcock Industries JOB # 18286-001

SITE LOCATION Weber-Knapp Plant 1 - Chandler Street, Jamestown, NY

DATE OF PHOTO 11-10-88

DESCRIPTION

Looking Southeast at fenced in storage area behind the plating plant. Behind concrete block wall is the chlorine storage area for waste water treatment.

PROJECT PHOTO LOG

CLIENT Babcock Industries JOB # 18286-001

SITE LOCATION Weber-Knapp Plant 1 - Chandler Street, Jamestown, NY

DATE OF PHOTO 11-10-88

DESCRIPTION

Looking South across the plating plant's parking lot. The main plant is visible in the background. On the right is Chandler Street.

PROJECT PHOTO LOG

CLIENT Babcock Industries JOB # 18286-001

SITE LOCATION Weber-Knapp Plant 1 - Chandler Street, Jamestown, NY

DATE OF PHOTO 11-10-88

DESCRIPTION

Looking west at triangular parking lot of Weber-Knapp. To the left is Allen Street and to the right is the Chadakoin River.

PROJECT PHOTO LOG

CLIENT Babcock Industries JOB # 18286-001

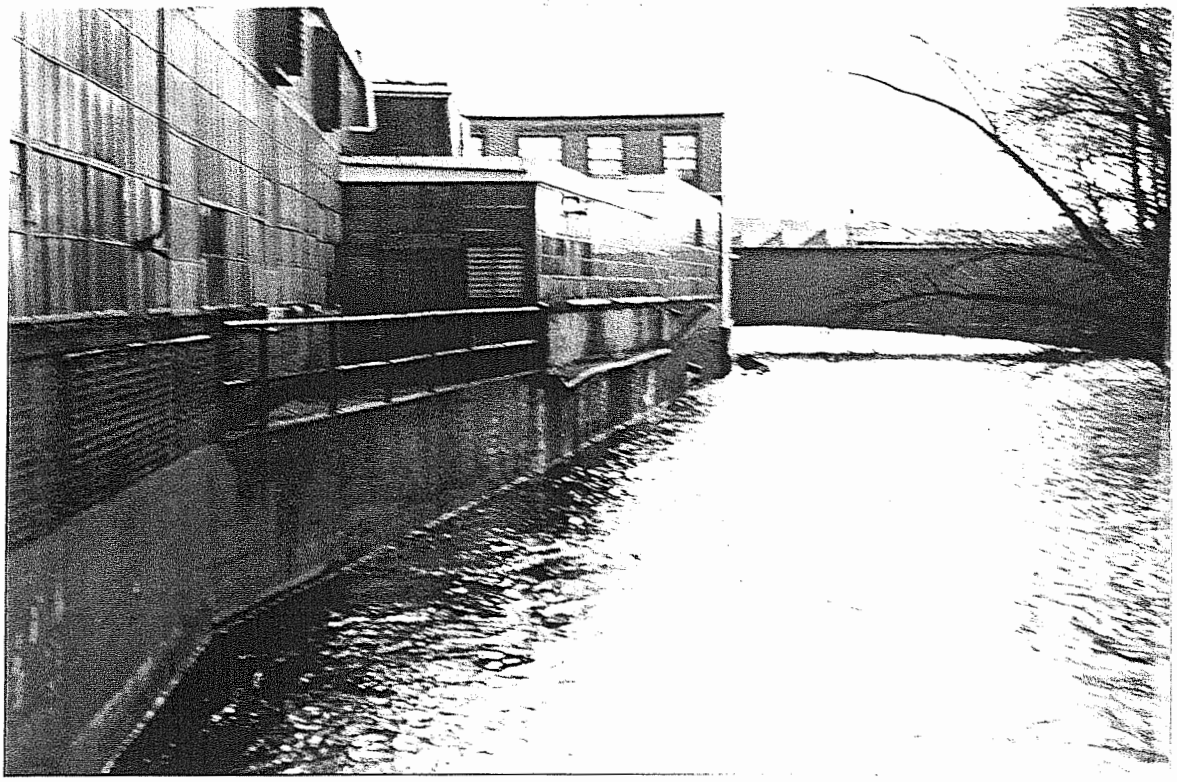
SITE LOCATION Weber-Knapp Plant 1 - Chandler Street, Jamestown, NY

DATE OF PHOTO 11-10-88

DESCRIPTION

Looking south along the main plant toward Allen Street. Property to the left is remains of an abandoned tool manufacturing company. Shed to the left is a storage shed for the main plant.

PROJECT PHOTO LOG



CLIENT Babcock Industries JOB # 18286-001

SITE LOCATION Weber-Knapp Plant 1 - Chandler Street, Jamestown, NY

DATE OF PHOTO 11-10-88

DESCRIPTION

Looking westward along the North side of the main plant. Chadakoin River is to the left. Note the connecting tunnel between the main plant and the plating plant.

PROJECT PHOTO LOG

CLIENT Babcock Industries JOB # 18286-001

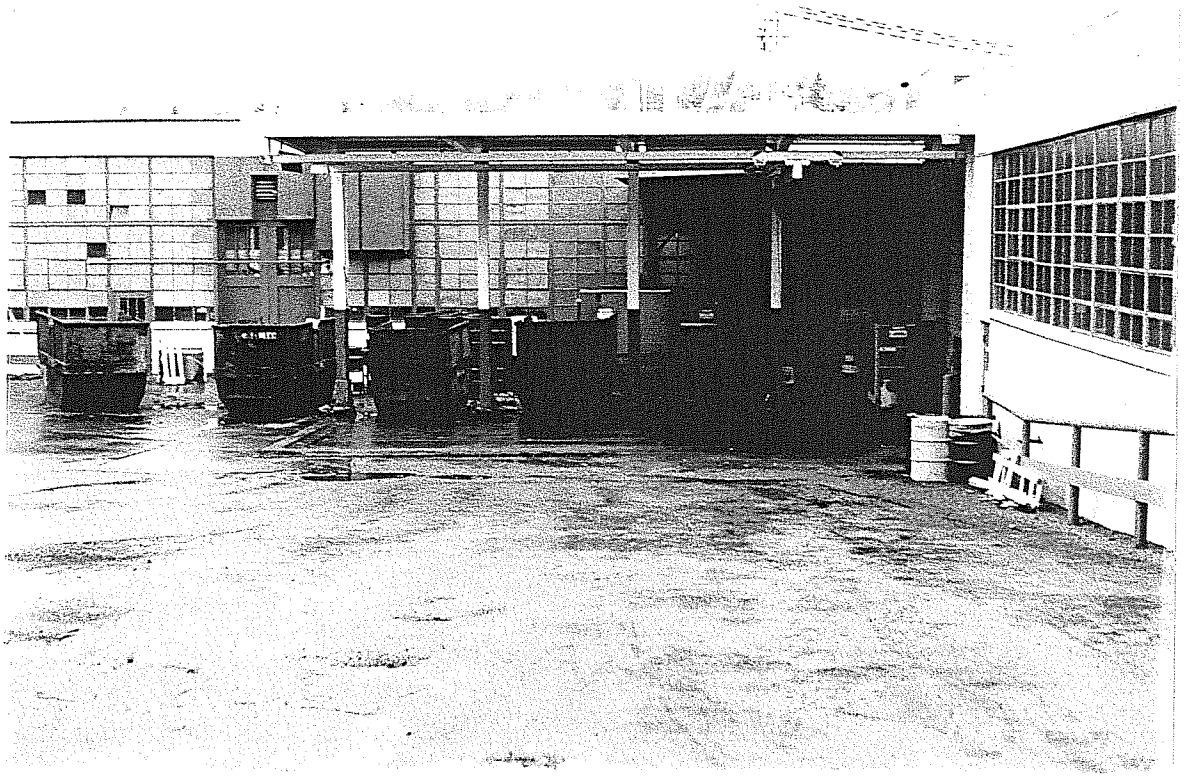
SITE LOCATION Weber-Knapp Plant 1 - Chandler Street, Jamestown, NY

DATE OF PHOTO 11-10-88

DESCRIPTION

Looking westward along Allen Street. Main plant is to the right.

PROJECT PHOTO LOG



CLIENT Babcock Industries JOB # 18286-001

SITE LOCATION Weber-Knapp Plant 1 - Chandler Street, Jamestown, NY

DATE OF PHOTO 11-10-88

DESCRIPTION

Looking North at receiving area of the main plant. To the left is a small parking lot area.

PROJECT PHOTO LOG

CLIENT Babcock Industries JOB # 18286-001

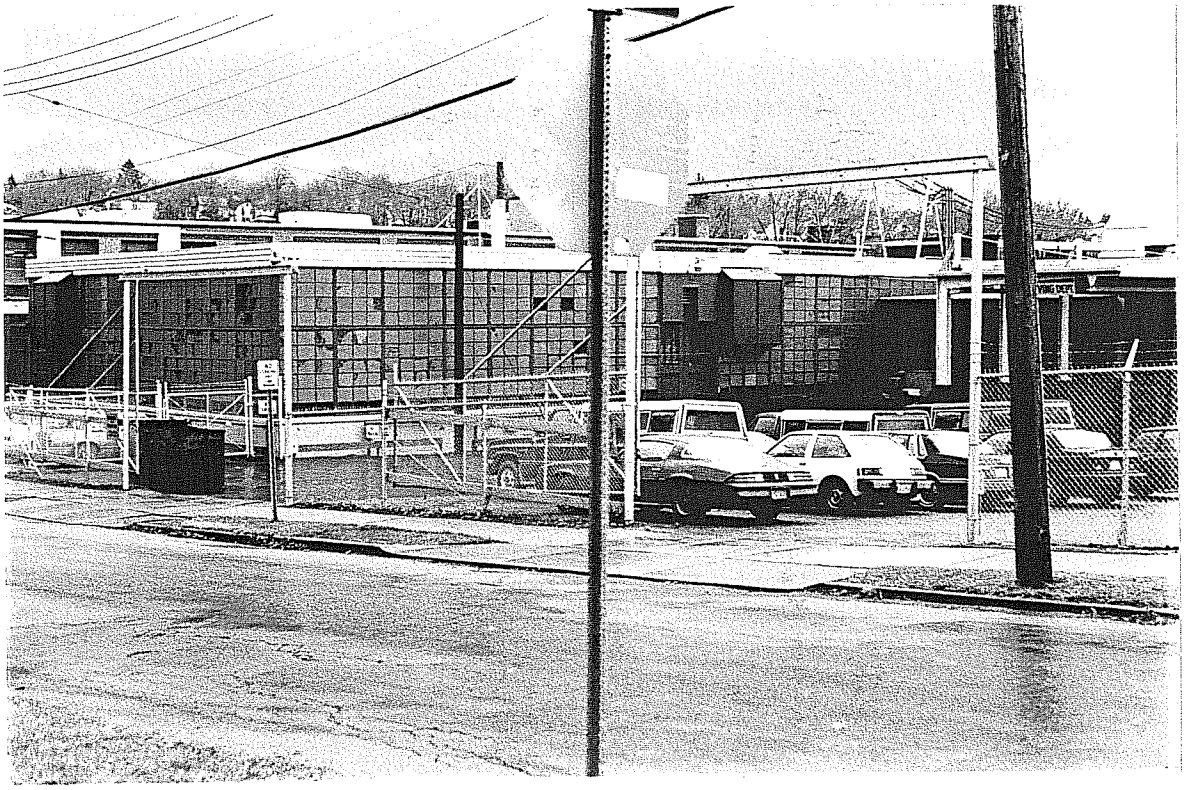
SITE LOCATION Weber-Knapp Plant 1 - Chandler Street, Jamestown, NY

DATE OF PHOTO 11-10-88

DESCRIPTION

Looking eastward along Allen Street. Small parking lot of the main plant is to the left. Chandler Street is in the foreground.

PROJECT PHOTO LOG



CLIENT Babcock Industries JOB # 18286-001

SITE LOCATION Weber-Knapp Plant 1 - Chandler Street, Jamestown, NY

DATE OF PHOTO 11-10-88

DESCRIPTION

Looking Northeast from corner of Chandler and Allen Street. View of small parking lot of the main plant. Foreground is Chandler Street.

PROJECT PHOTO LOG

CLIENT Babcock Industries JOB # 18286-001

SITE LOCATION Weber-Knapp Plant 1 - Chandler Street, Jamestown, NY

DATE OF PHOTO 11-10-88

DESCRIPTION

Looking North along Chandler Street. To the left is the triangular parking lot and to the right is the main plant.

PROJECT PHOTO LOG

CLIENT Babcock Industries JOB # 18286-001

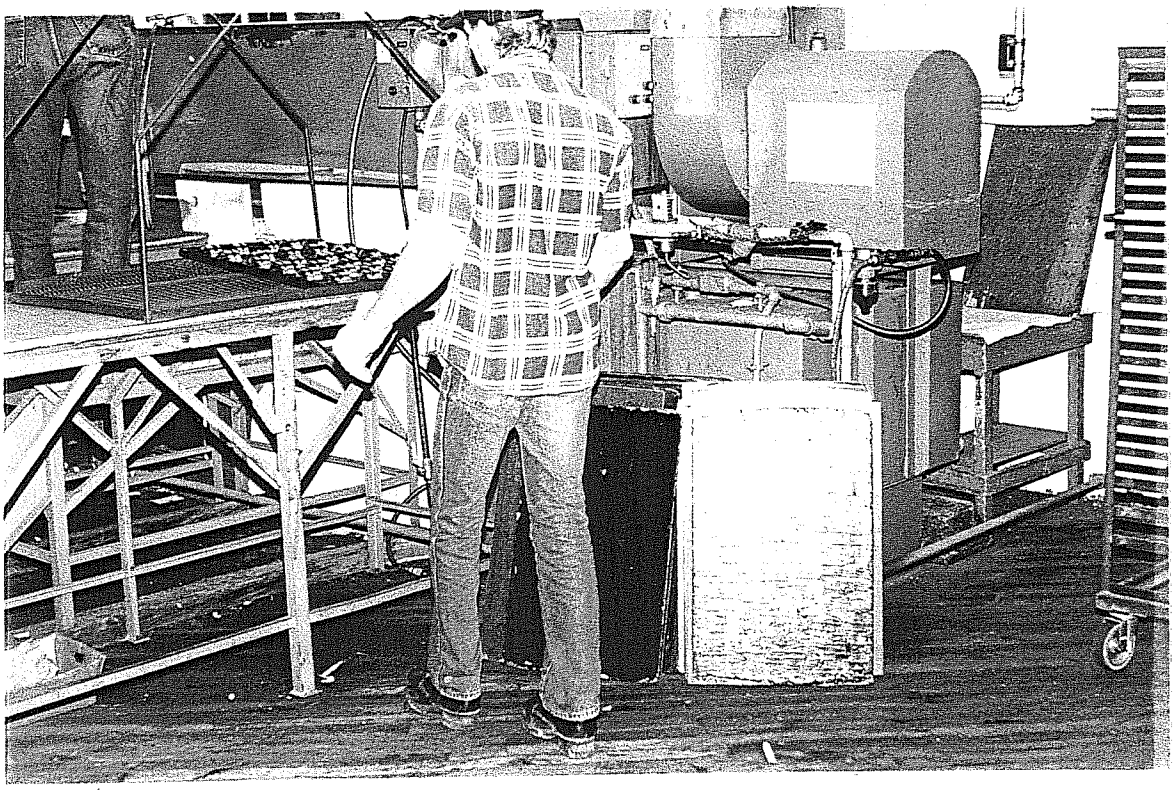
SITE LOCATION Weber-Knapp Plant 1 - Chandler Street, Jamestown, NY

DATE OF PHOTO 11-10-88

DESCRIPTION

View inside of plating plant showing metal ingots used in the plating operation.

PROJECT PHOTO LOG



CLIENT Babcock Industries JOB # 18286-001

SITE LOCATION Weber-Knapp Plant 1 - Chandler Street, Jamestown, NY

DATE OF PHOTO 11-10-88

DESCRIPTION

View of the manufacturing area in the main plant.

#12 Weber Knapp
Jamestown

SCHEDULE A

Effective Date: October 28, 1988 Title No. 8810-661790

THIS COMPANY CERTIFIES as of the above date that a good and marketable title to the premises described in Schedule A, subject to the liens, incumbrances and other matters, if any, set forth in Schedule B of this certificate is vested of record in:

County of Chautauqua Industrial Development Agency

Source of Title: Warranty Deed made by Weber-Knapp Company to County of Chautauqua Development Agency dated September 1, 1973 and recorded October 18, 1973 in Liber 1469 of Deeds at page 579.

The land referred to in this Commitment is described on the Description Sheet attached herein.

Schedule B of the policy issued will contain the following exceptions, in addition to those noted at the inside cover hereof:

SCHEDULE B

The following estates, interests, defects, objections to title, liens, and incumbrances and other matters are excepted from the coverage of this policy.

1. Defects and incumbrances arising or becoming a lien after the date of this policy, except as herein provided.
2. Consequences of the exercise and enforcement or attempted enforcement of any governmental, war or police powers over the premises.
3. Any laws, regulations or ordinances (including, but not limited to zoning, building, and environmental protection) as to the use, occupancy, subdivision or improvement of the premises adopted or imposed by any governmental body, or the effect of any noncompliance with or any violation thereof.
4. Judgments against the insured or estates, interests, defects, objections, liens or incumbrances created, suffered, assumed or agreed to by or with the privity of the insured.
5. Title to any property beyond the lines of the premises, or title to areas within or rights or easements in any abutting streets, roads, avenues, lanes, ways or waterways, or the right to maintain therein vaults, tunnels, ramps or any other structure or improvement, unless this policy specifically provides that such titles, rights, or easements are insured. Notwithstanding any provisions in this paragraph to the contrary, this policy, unless otherwise excepted, insures the ordinary rights of access and egress belonging to abutting owners.
6. Title to any personal property, whether the same be attached to or used in connection with said premises or otherwise.

7. Rights and claims of parties in possession not shown of record.

8. Future installments of special assessments for improvements payable with County taxes, not now due and payable.

9. Any state of facts an accurate survey would show.

10. Any state of facts an inspection of premises would disclose.

SCHEDULE B

SCHEDULE A – Description

TITLE NO.

8810-661790

BEGINNING at an iron stake in the westerly line of lands conveyed to the Quality Cash Stores, Inc. by the N.C.C.B. Corporation by deed dated September 30, 1935 and recorded in Liber 620 of Deeds at page 87, said point of beginning being further described as follows:

(BEGINNING at an iron stake in the southeasterly line of River Street said iron stake being north 32° 18' east at a distance of 539.97 feet from an iron stake at the intersection of the southeasterly line of River Street and the northerly line of Chandler Street; running thence south 57° 42' east for a distance of 95.30 feet to the iron stake at the aforesaid place of beginning); running thence from the aforesaid point of beginning south 57° 42' east for a distance of 166.90 feet on a continuation of the last mentioned line to an iron stake; running thence southwesterly at right angles with the last mentioned line for a distance of 15.85 feet to an iron stake; running thence north 57° 28' 30" west for a distance of 164.93 feet along the southerly line of lands conveyed to the Quality Cash Stores, Inc. by the N.C.C.B. Corporation by deed dated September 1935 and recorded in Liber 620 of deeds at page 87, to an iron stake; running thence north 25° 32' east for a distance of 15.47 feet along the westerly line of lands conveyed to the Quality Cash Stores, Inc. as aforesaid to the iron stake at the point of beginning.

ALSO conveying herewith a parcel of land abutting the Chautauqua Lake Outlet Bank (Chadokin River) and more particularly described as follows:

SCHEDULE A – Description

TITLE NO. 8810-661790

Cash Stores, Inc. by the N.C.C.B. Corporation by deed dated September 30, 1935 and recorded in the Chautauqua County Clerk's Office on January 25, 1936 in Liber 620 of Deeds at apge 87; thence south 57° 42' east and along the southerly bounds of said Quality Cash Stores, Inc. land, a distance of 165 feet to an iron stake; thence continuing on said course a distance of about 7 feet to the shore line of Chautauqua Lake Outlet; thence in a southerly and southwesterly direction along the shore line of said outlet to a point where said shore line intersects the northerly bounds of Chandler Street; thence south 87° 58' west along the northerly bounds of said Chandler Street, a distance of 233.6 feet to the place of beginning.

ALSO ALL THAT TRACT OR PARCEL OF LAND situate in the City of Jamestown, Chautauqua County, New York, being part of Lot No. 26, Township 2 and Range 11 of the Holland Land Company's Survey bounded and described as follows.

COMMENCING at an iron stake in the southeasterly line of River Street, which point is 325.80 feet northeasterly from an iron Stake in the southeasterly line of River Street and the northerly line of Chandler Street; running thence south 57° 42' east 100 feet to the northwesterly line of Norquist Lane; thence north 32° 18' east along the northwesterly line of Norquist Lane 177.50 feet to an iron stake; thence north 25° 34' east 60.80 feet to an iron stake; thence north 46° 29' west 94.30 feet to

a hole drilled in the pavement in the south line of River Street; thence south 32° 18' west along the southeasterly line of River Street 250.92 feet to the place of beginning.

EXCEPTING THEREFROM ALL THAT TRACT OR PARCEL OF LAND situate in the City of Jamestown, County of Chautauqua and the State of New York, being part of Lot No. 26, Township 2 and Range 11 of the Holland Land Company's survey and is further bounded and describBed as follows:

BEGINNING at an iron stake in the southeasterly line of River Street, said iron stake being nroth 32° 18' east at a distance of 539.97 from an iron stake at the intersection of the southeasterly line of River Street and the northerly line of Chandler Street; running thence south 57° 42' east for a distance of 95.30 feet to an iron stake marking the westerly line of lands conveyed to the Quality Cash Stores Inc. by the N.C.C.B Corporation by deed dated September 30, 1935 and recorded in Liber 620 of Deeds at page 87; running thence north 25° 32 east for a distance of 20.16 feet along the westerly line of lands conveyed to the Quality Cash Stores, Inc. by the N.C.C.B Corporation as aforesaid to an iron stake; running thence north 47° 31' west for a distnace of 94.53 feet along the northwesterly line of lands heretofore conveyed by Quality Markets, Inc. to Pendleton Tool Industries, Inc. to an iron stake in the southeasterly line fo River Street; running south 32° 18' west for a distance of 36.75 feet along the southeasterly line of River Street to

PRIVILEGED & CONFIDENTIAL
ENVIRONMENTAL AUDIT QUESTIONAIRE

VISIT DATE 11-9-86
JOB NUMBER
D&M REVIEWERS:
E.A. MATTHEWS
J.P. KONDZIELA

I GENERAL INFORMATION

A. CLIENT: BABCOCK INDUSTRIES INC.

1. CLIENT REPRESENTATIVE(S): JTEIN J. HJEMDAHL-MONSEN

2. FACILITY NAME: Weber Knapp Plant #1

3. FACILITY MAILING ADDRESS: 415-441 CHANDLER ST. JAMESTOWN N.Y

GLENN RYAN ENGINEERING MGR. (716) 484-9135

4. CONTACT NAME, TITLE AND PHONE NUMBER: JTEIN J. HJEMDAHL-MONSEN ENVIRONMENTAL ENGINEER (716) 484-9135

5. MAIN PRODUCT(S): HINGES, HANDLES, ACCESSORY HARDWARE FOR FURNITURE

6. S.I.C. CODES (ALL APPLICABLE): 3429

7. NUMBER OF EMPLOYEES: 183

8. NUMBER OF SHIFTS: 2

9. DAYS/WEEK OPERATION: 5½-6

B. SITE

1. SITE SECURITY, ESPECIALLY DURING NON-OPERATIONAL HOURS (e.g. FENCE, GUARDS, ADT...): FENCE AROUND PERIMETER, ALARM SYSTEM IN BUILDINGS

2. LOCATION - SURROUNDING LAND USE

NORTH:

EAST:

WEST:

SOUTH:

3. SKETCH (SHOW COMPASS NORTH)

APPENDIX A

Glenn Ryan

C. SITE HISTORY

1. WHEN WAS ORIGINAL FACILITY BUILT? 1946
2. PREVIOUS USE OF SITE: FURNITURE FACTORY
3. SUBSEQUENT ADDITIONS: 1977
4. CHANGES IN OWNERSHIP (DATES): WEBER-KNAPP 1946-1987
5. HISTORY OF PRESENT OPERATIONS: CASTING, MACHINING PLATING, LAQUERING SINCE OWNED BY WEBER-KNAPP

D. DOCUMENTS TO REVIEW AND/OR OBTAIN

1. TOPOGRAPHIC MAP: NOT AVAILABLE
2. FACILITY PLOT PLAN: ATTACHED
3. OPERATION FLOW SHEETS: REVIEWED BY DAMES & MOORE
4. DESIGN PLAN FOR IMPOUNDMENTS: NONE AVAILABLE PER STEVE M. + GLENN RYAN
5. SPCC (SPILL CONTROL PLAN): 1984
6. CONTINGENCY PLAN: GENERIC FOR ALL THREE FACILITIES
7. HAZARDOUS WASTE MANIFESTS AND ANNUAL GENERATOR REPORT: MANIFESTS RETAINED IN NOTEBOOK 1980 → PRESENT
8. NPDES (NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM): SPDES NY0003387 – ATTACHED

(Items 5–8 bracketed in margin: REVIEWED WITH STEVE MINNEN)

9. AIR PERMITS: YES – ATTACHED
10. CITY OR MUNICIPAL PERMITS: YES – ATTACHED

E. GENERAL CONTACTS TO MAKE

1. FACILITY MANAGERS
2. ENVIRONMENTAL/SAFETY MANAGER(S)
3. FEDERAL, STATE AND LOCAL (FIRE DEPT., WATER CO. AND HEALTH OFFICIALS). HAVE THERE BEEN ANY INCIDENTS OR ENVIRONMENTAL PROBLEMS AT THE SITE OR IN THE AREA? NONE – PER APPENDIX B

F. IMPACT ON SURROUNDING ENVIRONMENT

1. EXPAND ON SURROUNDING LAND USE WITHIN ONE MILE OF THE SITE.

a. ANY INDUSTRIAL ESTABLISHMENTS? Numerous - See Plot Plan

b. ANY SERVICE STATIONS, DRY CLEANERS OR OTHER STORES THAT MAY USE OR STORE CHEMICALS? Other Manufacturing Facilities

c. ANY RESIDENTS NEARBY? Yes, Across Allen Street.

d. WHAT IS THE SOURCE OF WATER FOR RESIDENTS OR OTHER ESTABLISHMENTS IN THE AREA? City water per Stein Mowen

e. IDENTIFY NEARBY STREAMS AND THEIR USE WITHIN THE DRAINAGE AREA OF THE SITE? Chadakoin River

f. IDENTIFY THE AQUIFERS IN THE SITE VICINITY, THEIR USE AND QUALITY.....

No wells in area

2. SURROUNDING LAND USES ON WHICH FACILITY OPERATION COULD HAVE AN ADVERSE IMPACT: Residential Area -

River water

3. OTHER COMMENTS REGARDING ENVIRONMENTAL, SAFETY OR COMMUNITY AFFAIRS PROBLEMS:

None - per Stein Mowen

None - per Glenn Ryan

None - per conv. with DEC + Health Dept. - See Attachment B.

4. HAVE THERE BEEN ANY REPORTED SPILLS OR ENFORCEMENT ACTIONS AT ANY TIME AT THIS SITE OR PREVIOUSLY OWNED LOCATIONS?

None known - per Stein Mowen and Glenn Ryan.

Also See Attachment B

5. DESCRIBE ANY SPILLS THE SITE HAS EXPERIENCED - WHEN, WHERE, HOW MUCH...

None - Per Steve Mowen

None - Per APPENDIX B

6. HAVE PRODUCTS BEEN SPILLED OFF-SITE IN THE PAST FIVE YEARS?.....

DESCRIBE No - Per Steve Mowen

No - Per APPENDIX B

7. ARE THERE ANY PROPOSED OR PENDING REGULATIONS WHICH THE SITE IS AWARE OF WHICH MAY IMPACT THE FACILITY? No DESCRIBE .....

Per Steve Mowen + Glenn Ryan.

8. DO ANY NEIGHBORING FACILITIES HAVE ADVERSE ENVIRONMENTAL IMPACTS ON THE SITE?..... DESCRIBE (i.e. PAST SPILLS, EXPLOSIONS, FIRES...)

Possibly - Glenn Ryan Mentioned Oil + Cutting Under MRC. Parking Lot - May be Leaching Out

II OPERATIONS

A. DESCRIBE OPERATIONS AND ASSOCIATED WASTE STREAMS:

PLATING → EPA HAZ WASTE #F006 "WASTE TREATMENT SLUDGE - ELECTROPL.
DEGREASING → " " " #F001 "WASTE TRICHLOR".
LUBRICATING → " " #D001 "WASTE SOLV. CONTAINING
PLATING → EPA " " #D001 "WASTE WAX-CONTAINING"
Per VSQG Manual & Attached
Annual Generator Reports

B. FLOW CHART:

REVIEWED BY DAMES & MOORE

C. HAVE ANY PRODUCTS OR PROCESSES BEEN DISCONTINUED OR SIGNIFICANTLY MODIFIED IN THE PAST FIVE YEARS? ....NO... DESCRIBE:

PER STEVE MONSEN + GLENN RYAN

D. LIST RAW MATERIALS OR INTERMEDIATES, SOLVENTS, ETC. OF SIGNIFICANT USE AND NORMAL INVENTORY:

SARA SEC 313

SOLVENTS TOXIC CHEMS (ALL USE) AS OPPOSED TO MANUF.

CHLORINE CYANIDE COMPOUNDS

HCl TRICHLOROETHYLENE

H_2SO_4

HNO_3 SEE APPENDIX C

NaOH (SOLUTION)

E. DESCRIBE ANY HAZARDS KNOWN (i.e. FIRE, EXPLOSION, TOXICITY, ETC.) CONCERNING PRODUCTS, RAW MATERIALS, CATALYSTS, ETC. AND WHAT IS DONE TO PREVENT, CONTROL OR DEAL WITH THEM (FOR EXAMPLE, EMERGENCY RELIEFS, ISOLATION OF VESSELS, DIKES, SCRUBBERS, ETC.):

PLATING OPERATIONS - ALL HAVE SPILL CONTROL -

INCOMPATIBLES ARE SEPARATED (DESIGN OF STORAGE AREAS)

SPILLS → SUMP → WASTE TREATMENT

FLAMMABLES KEPT IN ROOM WITH FIRE/EXPLOSION PROTECTION

PER STEVE MONSEN + WALKTHRU INSPECTION.

F. DESCRIBE FIRE PROTECTION SYSTEM (PROVIDE DRAWINGS, IF POSSIBLE):

PLATING BLDG SPRINKLERED 100%

REST " ≈ 90%

PER GLENN RYAN + WALKTHRU

III. AIR EMISSIONS

A. IS ELECTRICITY OR STEAM GENERATED ON SITE?

STEAM FROM BOILER IS GENERATED — ELECTRICITY IS NOT - PER VIEW MONTEN

B. DESCRIBE BOILERS (AND HEATING SYSTEM)

BOILER	CAPACITY BTU/HR	FUEL(S)	CONTROLS	MONITORING
#1	300 HP	NAT GAS + OIL (2-6)		NO
#2	400 HP	NAT GAS + #2 OIL		NO

#2 - STANDBY BOILER

C. INCINERATORS

1. ANY INCINERATORS USED ON SITE, PAST OR PRESENT? PERMITS? DESCRIBE USE(S):

NONE AT PRESENT OR WITHIN 15 YEARS - PER VIEW MONTEN & CONFIRMED IN WALKTHRU.

2. ARE ANY RECYCLED OILS OR HAZARDOUS WASTES INCINERATED ON SITE? IF SO, DESCRIBE MATERIALS BURNED AND PROCESS USED:

N/A - NO INCINERATOR

D. EMISSIONS

1. GENERAL DESCRIPTION OF AIR EMISSIONS FROM PLANT AND CONTROLS/MONITORING USED:

CONTAINED IN ATTACHED PERMIT APPENDIX D

2. ESTIMATE OF VOC (VOLATILE ORGANIC COMPOUNDS) AND PARTICULATE EMISSIONS. HOW DETERMINED?

CONTAINED IN ATTACHED PERMIT APPENDIX D

3. AIR EMISSIONS TABLE: DESCRIBE SOURCE, POLLUTION ABATEMENT EQUIPMENT, AND TYPE (e.g. VOLATILE ORGANIC, DUST, ETC.) OF EMISSIONS. USE BACK OF PAGE IF MORE SPACE IS REQUIRED.

STACK DESIGNATIONS	HEIGHT	DIAM.	CFM.	TEMP.	CONTAMINENTS	CONTROL DEVICE	PERMIT Y/N
	See APPENDIX D						

E. COMPLIANCE

1. IS THE SITE IN FULL COMPLIANCE WITH AIR POLLUTION CONTROL REGULATIONS?

YES - PER STEIN MANUEL — SEE APPENDIX I

2. HAS THE SITE RECEIVED ANY NOTICE OF VIOLATIONS, CITATIONS, COMPLAINTS, ETC. BECAUSE OF AIR PERMIT VIOLATIONS OR OTHER AIR EMISSION PROBLEMS IN THE PAST FIVE YEARS? PROVIDE COPIES OF ANY DOCUMENTS, IF POSSIBLE:

NONE - PER STEIN MANUEL

NONE - " GLENN RYAN

3. PROVIDE COPIES OF ANY AIR EMISSION PERMITS OR APPLICABLE REGULATIONS.

IV. WATER AND WASTE WATER

A. WHAT IS WATER SOURCE(S)? INCLUDE INFORMATION ON AQUIFER, WELL CONSTRUCTION, ETC. NOTE GAL/YR USAGE AND HOW DETERMINED. ANY PRETREATMENT?

H_2O SOURCE - CITY WATER PER STEIN MANUEL + GLENN RYAN. NO PRETREATMENT.

B. WASTE WATER INFO FROM STEIN MANUEL.

1. DESCRIBE SOURCE(S), QUANTITY AND TREATMENT (IF ANY) OF PROCESS WASTEWATERS: & MATERIAL SOURCES

1. WASTE WATER FROM PLATING OPERATION → IN-HOUSE TREATMENT → DISCHARGED UNDER SPDES PERMIT
2. BURNISHING OPERATION → IN-HOUSE PRE-TREAT → SEWER

2. TYPICAL ANALYSIS OF PROCESS WASTEWATERS. BASIS: LAB DATA, MATERIAL BALANCE, OTHER:

ANALYSIS IN ONE IN-HOUSE LAB - PARAMETERS PER SPDES PERMIT

INFORMATION OBTAINED FROM SPDES PERMIT, CITY POTW DISCHARGE PERMIT AND DISCUSSIONS WITH STEVE MONSEN

3. WASTEWATER DISCHARGE TABLE – SEWER, STREAM, ON-SITE WASTEWATER TREATMENT PLANT, IRRIGATION, ETC.

WASTEWATER SOURCE	DISCHARGED TO	GPD	HOW DETERMINED	CONTAMINENTS & CONCENTRATIONS	TREATMENT	PERMIT Y/N
SPDES OUTFALL 004	CHADAKOIN RIVER	67,600 gpd	FLOW IS MONITORED AS PART OF SPDES PERMIT	SEE SPDES PERMIT	WASTE H_2O TREATMENT FACILITY	Y
SPDES OUTFALL 006				MONITOR FOR FLOW, TEMP, AND pH	NO TREATMENT PERFORMED, COOLING H_2O DISCHARGE	Y
WASTE WATER FROM DRAINS (BATHROOM, etc.)	CITY OF JAMESTOWN'S POTW'S		FLOW IS MONITORED AS PART OF CITY PERMIT	SEE DISCHARGE PERMIT FOR POTW WASTE WATER DISCHARGE	N/A	Y

C. ARE FLOOR DRAINS IN THE BUILDING, WHERE ARE THEY LOCATED, AND WHERE DOES THE WATER FLOW?

ALL WASTE PROCESSES DRAIN TO WASTE TREATMENT SYSTEM (SUMPS → WASTEWATER TREATMENT) PER STEVE MONSEN

FLOOR DRAINS TO CITY SEWER IN GARWOOD DR.

D. DOES THE PLANT STORE WASTEWATER IN UNLINED DITCHES, PONDS, LAGOONS, OR THE LIKE? NO DESCRIBE:

BUT TREATMENT TANKS - PER STEVE MONSEN VERIFIED DURING WALKTHRU (INSPECTION)

E. DISCHARGE STANDARDS: APPENDIX E

SEE PERMIT FOR MONITORING SPECIFICS (FREQUENCY, LIMITATIONS, etc).

1. NPDES/SPDES STANDARDS, REQUIRED ANALYSES, FREQUENCY, AND PERFORMED BY WHOM:
SPDES PERMIT # NY0003387 ; (2) SPDES OUTFALL 004 AND 006. 004 IS PROCESS DISCHARGE, WHERE FLOW, TOTAL Al, TOTAL Cr, Cr VI, TOTAL Cu, AMENABLE CN⁻, FLUORIDE, TOTAL Ni, TOTAL Zn, TSS, TEMP, pH, OIL & GREASE AND Cl_2 RESIDUAL ARE MONITORED. 004 IS A COOLING WATER DISCHARGE WHERE FLOW, TEMP. AND pH IS MONITORED

2. PRETREATMENT STANDARDS FOR POTW, REQUIRED ANALYSES, FREQUENCY, AND PERFORMED BY WHOM: (IN-HOUSE LAB) ANALYSIS FOR 1A REQUIREMENTS
SEE CITY PERMIT FOR DISCHARGE TO POTW - APPENDIX E

3. STORMWATER RUNOFF: ~~NONE~~ NO ANALYSIS PERFORMED - PER STEVE MONSEN

F. COMPLIANCE

1. IS THE SITE IN FULL COMPLIANCE WITH THE WASTEWATER DISCHARGE REGULATIONS AND/OR LOCAL SEWER ORDINANCE REQUIREMENTS?
YES - PER VIEW MANUEN - ALSO PER APPENDIX E

2. HAS THE SITE RECEIVED NOTICE OF VIOLATIONS, CITATIONS, OR COMPLAINTS BECAUSE OF PERMIT VIOLATIONS OR OTHER WASTEWATER DISCHARGE PROBLEMS IN THE PAST FIVE YEARS? ....NO..... PROVIDE COPIES OF ANY DOCUMENTATION:
PER VIEW MANUEN

3. PROVIDE COPIES OF ANY PERMITS OR REGULATIONS INVOLVING WASTEWATER.
APPENDIX - E

V. HAZARDOUS MATERIALS

A. RAW MATERIAL STORAGE AND HANDLING (INCLUDING SOLVENTS, PAINTS, ETC.) DESCRIBE QUANTITY, FORM OF MATERIAL, AND STORAGE FACILITIES:

HANDLING → TRAINING PROGRAM FOR PROPER HANDLING OF HAZ. MATERIALS - PER VIEW MANUEN SEE TANK SECTION + APPENDIX C FOR INVENTORIES.

B. IF PRODUCT IS HAZARDOUS, DESCRIBE STORAGE METHODS:

PRODUCTS INCLUDE PAINTS, ETC. NOT HAZARDOUS

C. PCB MATERIALS

1. ARE THERE ANY TRANSFORMERS, CAPACITORS OR ANY OTHER EQUIPMENT CONTAINING PCBs LOCATED ON SITE? HAVE THERE BEEN ANY REPORTED SPILLS?
NONE ON SITE - LARGE TRANSFORMERS ARE CITY PROPERTY - PER VIEW MANUEN + WALKTHRU INSPECTION.

2. HAS ANY PCB CONTAINING EQUIPMENT BEEN DECONTAMINATED ON SITE? DESCRIBE PROCEDURE AND WASTE: *

NO - PER ITEM MARKED

NO - " GLENN RICH

D. ASBESTOS

1. ANY ASBESTOS IN THE FACILITY, (PAST AND PRESENT)?

YES - INSULATION ON PIPES + JOINTS THROUGHOUT FACILITY - SAMPLE # 1 GENERALLY GOOD CONDITION

2. HAS ASBESTOS BEEN REMOVED? WHEN? BY WHOM?*

NO - PER ITEM MARKED

D. FIFRA - DOES THE FACILITY USE ANY LISTED MATERIALS?*

NO - EXCEPT POSSIBLY COMMERCIALLY AVAILABLE PESTICIDE - PER ITEM MARKED

VI. SOLID WASTE - HAZARDOUS WASTE

A. WASTE DISPOSAL - ON SITE OR (OFF) (CIRCLE)

1. DESCRIBE CURRENT SOLID WASTE DISPOSAL PRACTICES:

DO GENERATE NON-HAZ WASTE → WASTE WATER BOILER SLUDGE - WASTE WATER SAND MIX - WASTE OIL, NRI

2. DESCRIBE PAST WASTE DISPOSAL PRACTICES:

HAZ WASTE - PAST - TO RECYCLE USING - FILL - PRESENTLY SENDING TO "ENVIRITE" TO TREAT + DISPOSE IT MAY BE DELISTED - PER ITEM MARKED

3. DOES THIS SITE GENERATE HAZARDOUS WASTE(S)?

Yes

* INCLUDE DISPOSAL DETAILS IN SECTION ON HAZARDOUS WASTES.

? NOTE: FIRST PAGE OF GENERATOR ANNUAL REPORT ... WHY DO THEY LIST THEMSELVES AS T OF?

FROM TYPICAL GENERATOR ANNUAL REPORT, DATED JANUARY 19, 1988 AND STEIN MCNSEN

4. HAZARDOUS WASTE GENERATED - INCLUDE QUANTITY, CONCENTRATION, CHARACTERISTICS (IGNITABLE, REACTIVE, CORROSIVE, EP TOXIC, EXPLOSIVE, ? >ph>10 CARCINOGENIC) AND DISPOSAL PATHWAY (DRUMMED, SENT TO IMPOUNDMENT, RECYCLED, ETC.):

WASTE	SOURCE	COMPOSITION (EPA WASTE #)	NATURE OF HAZARD	AMOUNT GENERATED PER MONTH	HOW LONG STORED ON SITE	MANNER OF DISPOSAL	HAULER & DISPOSAL SITE
WASTE H_2O TREATMENT SLUDGE	ELECTROPLATING OPERATIONS	F006 *		3.3 TONS	<90 DAYS	SECURE LANDFILL	CECOS
WASTE FOUNDRY SAND		D008		0.42 TONS	<90 DAYS	"	CECOS
" " "		"		0.08 TONS	<90 DAYS	"	ENVIROSAFE
"		F006 *		3.9 TONS	<90 DAYS	"	ENVIROSAFE
" " "		F006 *		0.83 TONS	<90 DAYS	"	MILL SERVICES, INC
WASTE TRICHLOROETHYLENE STILL BOTTOMS		F002		0.33 TONS	<90 DAYS	FUELS BLENDING	HOUSTON CHEM. CORP.
WASTE SOLVENT 005		D001		0.08 TONS	<90 DAYS	"	"
WASTE PAINT & LACQUER		D001		0.08 TONS	<90 DAYS	"	"
WASTE WAX		D001		0.08 TONS	<90 DAYS	"	PETRO-CHEM PROCESSING

SEE APPENDIX E

PAGE

B. ARE ANY SOLID, SEMI-SOLID OR LIQUID HAZARDOUS WASTES STORED ON SITE IN BULK, CONTAINERS, AND/OR IN DRUMS? ..... YES ..... PROVIDE INVENTORY OF WASTE TYPES, DESIGN OF BUILDING, SPILL CONTAINMENT SYSTEM, CAPACITY AND MANNER OF HANDLING AND DISPOSAL (IF NOT COVERED ABOVE):

HOLD & TRANSPORT BEFORE 90 DAYS - PER STEIN MONSEN
CONFIRMED BY INSPECTION OF HAZ. WASTE MANIFESTS

C. ON SITE DISPOSAL (IF APPLICABLE)

1. DESCRIBE ANY PAST OR PRESENT ON-SITE DISPOSAL (BURIAL) OF SOLID OR LIQUID WASTES: N/A - PER STEIN MONSEN
ALSO SEE APPENDIX B

2. IF ON-SITE, DOES FACILITY ACCEPT WASTE FROM OTHER SOURCES?
N/A - PER STEIN MONSEN
NOT TSD Facility

3. IMPOUNDMENTS - DESCRIBE AGE, DESIGN, GEOLOGY, LINING, MONITORING WELLS AND CAPACITY:
N/A - PER STEIN MONSEN
NON NOTED DURING
WELL IS THRU

4. IS FACILITY IN FULL COMPLIANCE WITH RCRA REGULATIONS INCLUDING 1984 AMENDMENTS (EXPOSURE ASSESSMENT, GROUNDWATER MONITORING)? PROVIDE COPIES OF ANY REGULATIONS: N/A - PER STEIN MONSEN

SEE APPENDIX B

5. HOW DOES MANAGEMENT PLAN TO MEET RCRA'S NOVEMBER 8, 1988 DOUBLE LINER REQUIREMENT? N/A - PER STEIN MONSEN

NOT A TSD FACILITY

6. ANY NOTICE OF ABOVE VIOLATIONS, CITATIONS, OR COMPLAINTS REGARDING ABOVE? N/A - PER STEIN MONSEN

SEE APPENDIX B

D. OFF-SITE DISPOSAL (IF APPLICABLE) FROM APPENDIX E

1. TOTAL QUANTITY OF HAZARDOUS WASTE GENERATED PER MONTH: 9 TONS

AVERAGE TIME STORED: < 90 DAYS

2. NAME AND USEPA IDENTIFICATION NUMBER OF TSD OPERATOR(S):

CECOS INTERNATIONAL: IND080336741
ENVIROSAFE: OHD045243706
MIL SERVICE, INC: PAD059027073
ITOKILL CHEMICAL CORP: OHD081926740
PETRO-CHEM PROCESSING: MID980615298

3. HAS TSD FACILITY BEEN INSPECTED? TO THEIR KNOWLEDGE FACILITY HAVE PROPER PERMITS & INSPECTION SYS (HAS NOT BEEN INSPECTED BY THEM)

4. IS HAULER(S) LICENSED? YES - PER STEIN MONSEN

5. MANIFESTS CHECKED? PROCEDURES? MANIFESTS ARE IN ORDER, BOTH COPY 8 (RETAINED BY GENERATOR) AND COPY 3 (MAILED BY TSDF) CHECKED BY E.M.

SEE APPENDIX F

6. ANY NOTICE OF VIOLATIONS, CITATIONS, OR PRP ACTIONS REGARDING ABOVE?

DID HAVE ONE PRP ACTION - [redacted] TSDF THEY WERE CONTRACTED WITH CLOSED DOWN & CEPT EPA NAMED EVERYONE WHO HAD SENT STUFF THERE AS PRP's - PER STEIN MONSEN SEE LETTER "ADMIN. ORDER ON CONSENT RESOLVE MANUFACTURING SITE" DATED Nov. 18, 1987

E. PERMIT INFORMATION TO BE OBTAINED (RCRA)

1. GENERATOR: PLANT #1 HAS EPA ID # NYD 006015580 APPENDIX G

2. PART A: A "NOTIFICATION OF HAZARDOUS WASTE ACTIVITY" FOR THIS INSTALLATION WAS FILED W/ THE EPA

3. STATUS OF PART B PERMIT (ONLY FOR TSD FACILITY): N/A - PER STEIN MONSEN NOT A TSD Facility

4. STATUS OF WASTE MINIMIZATION PROGRAM REQUIRED IN RCRA 1984 AMENDMENTS:

PROGRAM NOT AS FORMAL AS IT SHOULD BE - PER STEIN MONSEN - NOT WRITTEN.

F. PROVIDE DOCUMENTATION OF ANY NOTICE OF VIOLATIONS, CITATIONS, ENFORCEMENT ACTIONS OR COMPLAINTS RECEIVED BY THE PLANT FOR WASTE DISPOSAL OR HANDLING OF PROBLEMS IN THE PAST. SEE # 6 ABOVE; OTHER THAN THAT - NONE - PER STEIN MONSEN

G. SUPERFUND (CERCLA)

1. IS THE FACILITY ITSELF A FEDERAL OR STATE SUPERFUND SITE OR BEING CONSIDERED FOR LISTING AS SUCH? NO - PER STEIN MONSEN

NO - SEE APPENDIX - B

2. HAS THE FACILITY EVER SENT MATERIALS TO A FACILITY LISTED ON THE FEDERAL - STATE SUPERFUND LISTS OR ONE BEING LISTED AS SUCH?

NOT TO THEIR KNOWLEDGE - PER STEIN MONSEN

→ INFORMATION OBTAINED FROM SPCC PLAN AND DISCUSSIONS WITH STEIN MONSEN

VII STORAGE TANKS

A. ABOVEGROUND TANKS – DESCRIBE ABOVEGROUND STORAGE TANKS, INCLUDING CONSTRUCTION MATERIAL, VENTS, CAPACITY, MATERIAL STORED, AGE OF TANK, SPILL CONTAINMENT EQUIPMENT, AND INSPECTION METHODS (USE REVERSE SIDE IF MORE SPACE IS REQUIRED):

TANK DESIGNATION	CAPACITY	MATERIAL STORED	CONSTRUCTION MATERIAL	VENTS	AGE OF TANKS	SPILL CONTAINMENT EQUIPMENT	INSPECTION METHODS	CORROSION PROTECTION	IS TANK CURRENTLY IN SERVICE? Y/N
~~P24~~	~~10,000 gal~~								
P30	15,000 gal	FUEL OIL	BARE STEEL	Y	1977 ~~1983~~	IN ENCLOSED ROOM		N	Y
—	5,000 gal	LIQUID CAUSTIC NaOH 50%	BARE STEEL	Y	1977	CURBED w/DRAIN TO WASTE TREATMENT SYS	N VISUAL	N	Y
—	2,000 gal	TRICHLOROETHYLENE	STEEL	Y	1982	NO	N VISUAL	N	Y

INFORMATION OBTAINED FROM SPCC PLAN AND FROM DISCUSSIONS WITH STEIN MONSSEN

B. UNDERGROUND TANKS

1. DESCRIBE BELOWGROUND (UNDERGROUND) STORAGE TANKS, INCLUDING CONSTRUCTION MATERIAL, CAPACITY, MATERIAL STORED, AGE OF TANK, CORROSION CONTROL (DOUBLE LINED, CATHODIC PROTECTION, ETC.) AND LEAK DETECTION. DESCRIBE ANY LEAKS NOTED IN THE PAST FIVE YEARS:

TANK DESIGNATION	CAPACITY	MATERIAL STORED	CONSTRUCTION MATERIAL	VENTS	AGE OF TANKS	INSPECTION METHODS	CORROSION PROTECTION	IS TANK CURRENTLY IN SERVICE? Y/N
P24	10,000 gal	FUEL OIL #2	BARE STEEL	Y	1973		N	Y
P10	2000 gal	POSSIBLY FUEL OIL	"	N	?	—	—	N FILLED W/SAND & CONCRETE
X56	3000 gal	CUTTING OIL	BARE STEEL	Y	1969		N	Y

2. WHAT IS THE STATUS OF UNDERGROUND STORAGE TANK (UST) REPORTING WITH THE STATE AGENCY?

C. DOES FACILITY HAVE WRITTEN PLANS COVERING OPERATING PRACTICES, SPILL CONTAINMENT, AND CLEAN UP FOR:

1. FILLING/DISCHARGING TANKS: NO
2. BULK LOADING/UNLOADING OF TANK TRUCKS - RAILROAD CARS: NO
3. LEAKS/SPILLS (TANKS, PIPING, PROCESS EQUIPMENT): SPCC PLAN
4. STORM WATER DISCHARGE FROM CONTAINMENT AREAS: NO
5. DESCRIBE ABOVE ITEMS:

They have procedures but not written procedures (formal) w/ exception of the SPCC plan for spills/leaks - per Stein Monsen

6. DOES FACILITY HAVE SPILL CONTAINMENT PLANS FOR DRUM LOADING/UNLOADING/ HANDLING AREAS? DESCRIBE:

No - per Stein Monsen

VIII. MISC. LOSS PREVENTION

A. DESCRIBE OPERATING PROCEDURES THAT ENSURE PRODUCT SAFETY AND FREEDOM FROM CONTAMINATION: QUALITY CONTROL INSPECTIONS TO PREVENT SOLVENTS & CHEM. TRACES FROM LEAVING FACTORY ON PRODUCT.

B. DESCRIBE ANY COMMUNITY HEALTH PROBLEMS OR INJURIES, ATTRIBUTED TO FACILITY OPERATIONS, EXPERIENCED IN THE PAST FIVE YEARS.

NONE PER STEIN MANSEN-
NONE - PER APPENDIX B

C. DESCRIBE ANY NEIGHBORING RESIDENT GROUPS, LOCAL GOVERNMENT AGENCIES, OR PUBLIC SAFETY ORGANIZATIONS WITH WHICH THE OPERATION HAS HAD CONTACT IN THE PAST THREE YEARS; PARTICULARLY, DESCRIBE ANY PROBLEMS, ISSUES OR MATTERS RAISED BY THEM AS CONCERNS:

NO - PER STEIN MANSEN

D. DESCRIBE NEIGHBORING COMPANIES, OPERATIONS, POTENTIAL HAZARDS AND THEIR INSURANCE COVERAGES IF KNOWN, OR CAPABLE OF BEING DETERMINED.

MRC BEARING ACROSS CHANDLER STREET - POSSIBLE GROUNDWATER CONTAMINATION.

E. DOES THE FACILITY HAVE A WRITTEN EPISODE/EMERGENCY PLAN? YES

DESCRIBE: SEE APPENDIX D
1 PLAN FOR ALL THREE FACILITIES

TRIP REPORT

NAME(S) John McGowin

DATE(S) January 24, 1989

PROJECT NO. 18286-001 D&M OFFICE NYK

CLIENT Babcock / Dacourt

LOCATIONS VISITED
Weber Knapp Plant 1, Jamestown, NY
2. Falconer, NY
3. Falconer, NY

MET WITH (AFFILIATIONS) Glen H. Ryan, Plant Engineering Manager
Steve J. Moreen, Environmental Engineer
Tom Madison, Plant Safety Director

OBJECTIVES
Regulatory review of current and past activities.
1. Review environmental and safety file documents and records.
2. assess emission points and waste streams for regulatory compliance
3. Operational compliance to all applicable regulations
4. Meet or speak with regulatory agencies. comparative documentation and jurisdictional matters.

ACCOMPLISHMENTS
Identified, copied and reviewed file documents and records for all certifications, licenses, permits, inspections, compliance orders, registrations, citations, reports and manifests that are required to meet regulatory statutes.

FOLLOW-UP ACTIONS
Assess regulatory agency activities concerning MRC facility and environmental implication to Weber Knapp Plant 1.

USE REVERSE SIDE FOR ADDITIONAL COMMENTS - CHECK HERE _____

TRIP REPORT

NAME(S) JOHN SZALKOWSKI

DATE(S) Jan. 22- Jan. 26

PROJECT NO. 18286-001 D&M OFFICE NYK

CLIENT BABCOCK

LOCATIONS VISITED CHAUTAUQUA HARDWARE CORP. 31-35 WATER ST. & HOPKINS ST. JAMESTOWN / WEBER-KNAPP PLANTS 1, 2 & 3 JAMESTOWN / FALCONER

MET WITH (AFFILIATIONS) TODD SWANSON, CHC & GLEN RYAN, WEBER-KNAPP

OBJECTIVES (1) SOIL/GAS MEASUREMENTS AT ALL 5 SITES (ONE GROUNDWATER SAMPLE/SITE)
(2) PURCHASING MAPS OF AREAS TO BE INVESTIGATED
(3) ASSIST JOHN McGOLVIN WITH HIS REGULATORY REVIEW

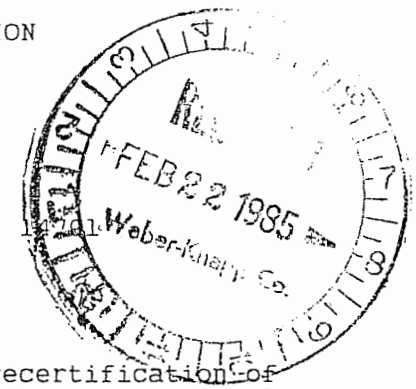
ACCOMPLISHMENTS PERFORM SOIL/GAS MEASUREMENTS AT ALL 5 SITES, CONCENTRATING ON KNOWN OR SUSPECTED AREAS OF CONTAMINATION. PURCHASED MAPS OF THE AREA AND ASSISTED JOHN McGOLVIN ~~WITH~~ WITH HIS REGULATORY REVIEW.

FOLLOW-UP ACTIONS CONVERSION OF SOIL/GAS DATA TO PPM IN SOIL BY GREGORY DEL MASTRO

USE REVERSE SIDE FOR ADDITIONAL COMMENTS - CHECK HERE _____

01/29/85

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
50 WOLF ROAD, ALBANY, NEW YORK 12233-0001
DIVISION OF REGULATORY AFFAIRS - ROOM 514



RE: FACILITY: WEBER-KNAPP CO
NAME & 441 CHANDLER
ADDRESS JAMESTOWN NY 14701

ID - 060800 0298

Dear Permittee:

To reduce the administrative workload associated with the recertification of certain minor sources of air pollution, the Department of Environmental Conservation has decided to routinely issue Certificates to Operate for these sources for five years, the maximum period allowed under present law. As a first step to implementing this new policy, all existing Cerfificates to Operate for certain minor sources are being extended to expire on or about five years from their last date of issuance.

Therefore, please take note that the expiration date for the Certificate(s) to Operate Sources of Air Contamination that are currently in effect for the Facility cited above are hereby modified as follows:

EMISSION POINT(S)	PRESENT EXPIRATION DATE	NEW EXPIRATION DATE
00001	05/01/88	02/23/89
00007	05/01/88	02/23/89
0EF-3	05/01/88	02/23/89
0EF-4	05/01/88	02/23/89
0EF-8	05/01/88	02/23/89
CB400	05/01/88	10/25/89
EF-17	05/01/88	10/25/89
EF-18	01/01/83	08/01/85
EF-19	05/01/85	05/01/88
EF-20	05/01/85	05/01/88

No additional permit application fee is required at this time. This permit modification applies to the expiration date only and must be attached to your existing Certificate(s) to Operate for this facility. You are still responsible for complying with all applicable departmental regulations as well as as any special conditions in your permit(s). In addition, your facility will continue to be inspected on a regular basis by Department staff.

If you have any questions or need additional information please contact:

Steven Doleski, Regional Permit Administrator
NYS-DEC Region 9
600 Delaware Avenue
Buffalo, New York 14202-1073

(716) 847-4551

Sincerely yours,

George Danskin
Chief Permit Administrator

cc: Regional Permit Administrator
Regional Air Pollution Control Engineer

OWNER: WEBER-KNAPP
NAME & 441 CHANDLER
ADDRESS JAMESTOWN NY 14701

01/29/85

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
50 WOLF ROAD, ALBANY, NEW YORK 12233-0001
DIVISION OF REGULATORY AFFAIRS - ROOM 514

RE: FACILITY: WEBER-KNAPP CO
NAME & 441 CHANDLER
ADDRESS JAMESTOWN NY 14701

ID - 060800 0298

Dear Permittee:

To reduce the administrative workload associated with the recertification of certain minor sources of air pollution, the Department of Environmental Conservation has decided to routinely issue Certificates to Operate for these sources for five years, the maximum period allowed under present law. As a first step to implementing this new policy, all existing Cerfificates to Operate for certain minor sources are being extended to expire on or about five years from their last date of issuance.

Therefore, please take note that the expiration date for the Certificate(s) to Operate Sources of Air Contamination that are currently in effect for the Facility cited above are hereby modified as follows:

EMISSION POINT(S)	PRESENT EXPIRATION DATE	NEW EXPIRATION DATE
EF-31	05/01/88	02/23/89

No additional permit application fee is required at this time. This permit modification applies to the expiration date only and must be attached to your existing Certificate(s) to Operate for this facility. You are still responsible for complying with all applicable departmental regulations as well as as any special conditions in your permit(s). In addition, your facility will continue to be inspected on a regular basis by Department staff.

If you have any questions or need additional information please contact:

Steven Doleski, Regional Permit Administrator
NYS-DEC Region 9
600 Delaware Avenue
Buffalo, New York 14202-1073

(716) 847-4551

Sincerely yours,

George Danskin
Chief Permit Administrator

cc: Regional Permit Administrator
Regional Air Pollution Control Engineer

WNER: WEBER-KNAPP
AME & 441 CHANDLER
ADDRESS JAMESTOWN NY 14701

N.Y.S. DEPARTMENT OF VIRONMENTAL CONSERVATION
DIVISION OF AIR

SE(NO: 9-R-0087
RUN DATE: 12/07/87

60800 0298 0EF-1 W I01
)CATION FAC EP UNIT

CERTIFICATE TO OPERATE AN AIR CONTAMINATION SOURCE
PROCESS, EXHAUST OR VENTILATION SYSTEM UNIT
RENEWAL APPLICATION

OWNER	FACILITY	
WEBER-KNAPP	(6) WEBER-KNAPP CO	(11) CONFIDENTIAL STATUS NON-CONFIDNTL
441 CHANDLER	(7) 441 CHANDLER	(12) APPLICATION STATUS IN COMPLIANCE
JAMESTOWN (4) NY	(8) JAMESTOWN (9) 14701	DATE OF LAST CHANGE 11/09/83
14701	(10) REP: MICHAEL P. ALLETTE, V.P.	PRIOR CO ISSUE DATE 03/01/83
		PRIOR CO EXPIRATION DATE 05/01/88

SSION (41)UTM-E: 150.6 KM. (42)STACK HEIGHT: 34 FT. (43)EXIT VELOCITY: 18.90 FT/SEC (44)SIC: 3429 (45)AGENCY-CODE-1:
POINT (46)UTM-N: 669.3 KM. (47)HT ABV STRUC: 10 FT. (48)EXIT FLOW: 6300.00 ACFM (49)CO FEE: $50.00 (50)AGENCY-CODE-2:
0EF-1 (51)GRND ELEV: 1295 FT. (52)STK DIAM: 42X19 IN. (53)EXIT TEMP: 70 DEGR F (54)CO CONDITIONS: 1 3

T I01 (55)HOURS/DAY: 18.0 (56)DAYS/YEAR: 252 (57)% OP BY SEASON: 25 25 25 25 (58)SOURCE CODE: 1202 ALKALINE (CAUSTIC) D

CESS/UNIT (72)DESCRIPTION 1. BASKET DIPPING OF BULK STEEL PARTS IN A 290 F BATH
CRIPTION 2. OF FUSED SALTS OF IRON TO BLACKENED STEEL

ITROL (73)TYPE: 001 FAN (74)MFG: BUFFALO FORGE 540K (75)ID: 01 (76)DATE INSTALLED: 04/74
IPMENT (77)DISPOSAL METHOD: (78)USEFUL LIFE: 20 YEARS

ITAMINANTS	CAS NUMBER	EMISSIONS ACTUAL	EMISSIONS UNIT	EMISSIONS HOW DET	% CONTROL EFFICIENCY	HRLY ACTUAL LBS/HOUR	ANNUAL EMISSIONS (LBS/YEAR) ACTUAL	ANNUAL EMISSIONS (LBS/YEAR) 10×
ITICULATES	(085) NY075-00-0	(087) .010	(088) 20	(089) 05	(091)	(092) .001	(093) 4.536	(094) 0

CONTINUED ON NEXT PAGE

N.Y.S. DEPARTMENT OF VIRONMENTAL CONSERVATION
DIVISION OF AIR

SE(NO: 9-R-0088
RUN DATE: 12/07/87

60800 0298 0EF-1 W I02
)CATION FAC EP UNIT

CERTIFICATE TO OPERATE AN AIR CONTAMINATION SOURCE
PROCESS, EXHAUST OR VENTILATION SYSTEM UNIT
RENEWAL APPLICATION

OWNER	FACILITY	
WEBER-KNAPP	(6) WEBER-KNAPP CO	(11) CONFIDENTIAL STATUS NON-CONFIDNTL
441 CHANDLER	(7) 441 CHANDLER	(12) APPLICATION STATUS IN COMPLIANCE
JAMESTOWN (4) NY	(8) JAMESTOWN (9) 14701	DATE OF LAST CHANGE 11/09/83
14701	(10) REP: MICHAEL P. ALLETTE, V.P.	PRIOR CO ISSUE DATE 03/01/83
		PRIOR CO EXPIRATION DATE 05/01/88

PAGE 2
CONTINUED FROM PREVIOUS PAGE

SSION (41)UTM-E: 150.6 KM. (42)STACK HEIGHT: 34 FT. (43)EXIT VELOCITY: 18.90 FT/SEC (44)SIC: 3429 (45)AGENCY-CODE-1:
POINT (46)UTM-N: 669.3 KM. (47)HT ABV STRUC: 10 FT. (48)EXIT FLOW: 6300.00 ACFM (49)CO FEE: $50.00 (50)AGENCY-CODE-2:
0EF-1 (51)GRND ELEV: 1295 FT. (52)STK DIAM: 42X19 IN. (53)EXIT TEMP: 70 DEGR F (54)CO CONDITIONS: 1 3

T I02 (55)HOURS/DAY: 18.0 (56)DAYS/YEAR: 252 (57)% OP BY SEASON: 25 25 25 25 (58)SOURCE CODE: 1202 ALKALINE (CAUSTIC) D

)CESS/UNIT (72)DESCRIPTION 1. PARTS ARE SOAKED IN AN ALKALINE CLEANER TANK
SCRIPTION 2. CLEANER TANK

ITROL (73)TYPE: 001 FAN (74)MFG: BUFFALO FORGE 540K (75)ID: 01 (76)DATE INSTALLED: 04/74
JIPMENT (77)DISPOSAL METHOD: (78)USEFUL LIFE: 20 YEARS

) ITAMINANTS	CAS NUMBER	EMISSIONS ACTUAL	UNIT	HOW DET	% CONTROL EFFICIENCY	HRLY ACTUAL LBS/HOUR	ANNUAL EMISSIONS (LBS/YEAR) ACTUAL	10*
)UID MIST NEC	(085) NY105-00-0	(087) .040	(088) 01	(089) 05	(091)	(092) .040	(093) 181.440	(094) 0

CONTINUED ON NEXT PAGE

N.Y.S. DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF AIR

SEQNC NO: 9-R-0089
RUN DATE: 12/07/87

60800 0298 0EF-1 W I03
CATION FAC EP UNIT

CERTIFICATE TO OPERATE AN AIR CONTAMINATION SOURCE
PROCESS, EXHAUST OR VENTILATION SYSTEM UNIT
RENEWAL APPLICATION

OWNER	FACILITY	
WEBER-KNAPP	(6) WEBER-KNAPP CO	(11) CONFIDENTIAL STATUS NON-CONFIDNTL
441 CHANDLER	(7) 441 CHANDLER	(12) APPLICATION STATUS IN COMPLIANCE
JAMESTOWN (4) NY	(8) JAMESTOWN (9) 14701	DATE OF LAST CHANGE 11/09/83
14701	(10) REP: MICHAEL P. ALLETTE, V.P.	PRIOR CO ISSUE DATE 03/01/83
		PRIOR CO EXPIRATION DATE 05/01/88

PAGE 3
CONTINUED FROM PREVIOUS PAGE

SSION (41)UTM-E: 150.6 KM. (42)STACK HEIGHT: 34 FT. (43)EXIT VELOCITY: 18.90 FT/SEC (44)SIC: 3429 (45)AGENCY-CODE-1:
POINT (46)UTM-N: 669.3 KM. (47)HT ABV STRUC: 10 FT. (48)EXIT FLOW: 6300.00 ACFM (49)CO FEE: $50.00 (50)AGENCY-CODE-2:
0EF-1 (51)GRND ELEV: 1295 FT. (52)STK DIAM: 42X19 IN. (53)EXIT TEMP: 70 DEGR F (54)CO CONDITIONS: 1 3

T I03 (55)HOURS/DAY: 18.0 (56)DAYS/YEAR: 252 (57)% OP BY SEASON: 25 25 25 25 (58)SOURCE CODE: 1202 ALKALINE (CAUSTIC) D

CESS/UNIT (72)DESCRIPTION 1. BASKET DIPPING OF BULK STEEL PARTS
CRIPTION 2. IN A HOT 240 F BATH OF FUSED SALTS
3. OF IRON TO BLACKEN STEEL

ITROL (73)TYPE: 001 FAN (74)MFG: BUFFALO FORGE 540K (75)ID: 01 (76)DATE INSTALLED: 04/74
IPMENT (77)DISPOSAL METHOD: (78)USEFUL LIFE: 20 YEARS

ITAMINANTS	CAS NUMBER	EMISSIONS ACTUAL	UNIT	HOW DET	% CONTROL EFFICIENCY	HRLY ACTUAL LBS/HOUR	ANNUAL EMISSIONS (LBS/YEAR) ACTUAL	10^x
UID MIST NEC	(085) NY105-00-0	(087) .140	(088) 01	(089) 05	(091)	(092) .140	(093) 635.040	(094) 0

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N.Y.S. DEPARTMENT OF ,VIRONMENTAL CONSERVATION
DIVISION OF AIR

SE NO: 9-R-0090
RUN DATE: 12/07/87

60300 0298 0EF-1 W I
ICATION FAC EP

CERTIFICATE TO OPERATE AN AIR CONTAMINATION SOURCE
PROCESS, EXHAUST OR VENTILATION SYSTEM UNIT
RENEWAL APPLICATION

MAY 13 1988

OWNER	FACILITY	
WEBER-KNAPP	(6) WEBER-KNAPP CO	(11) CONFIDENTIAL STATUS NON-CONFIDNTL
441 CHANDLER	(7) 441 CHANDLER	(12) APPLICATION STATUS IN COMPLIANCE
JAMESTOWN (4) NY	(8) JAMESTOWN (9) 14701	DATE OF LAST CHANGE 11/09/83
14701	(10) REP: MICHAEL P. ALLETTE, V.P.	PRIOR CO ISSUE DATE 03/01/83
		PRIOR CO EXPIRATION DATE 05/01/88

PAGE 4
CONTINUED FROM PREVIOUS PAGE

SSION (41)UTM-E: 150.6 KM. (42)STACK HEIGHT: 34 FT. (43)EXIT VELOCITY: 18.90 FT/SEC (44)SIC: 3429 (45)AGENCY-CODE-1:
POINT (46)UTM-N: 669.3 KM. (47)HT ABV STRUC: 10 FT. (48)EXIT FLOW: 6300.00 ACFM (49)CO FEE: $50.00 (50)AGENCY-CODE-2:
0EF-1 (51)GRND ELEV: 1295 FT. (52)STK DIAM: 42X19 IN. (53)EXIT TEMP: 70 DEGR F (54)CO CONDITIONS: 1 3

T I (55)HOURS/DAY: 18.0 (56)DAYS/YEAR: 252 (57)% OP BY SEASON: 25 25 25 25 (58)SOURCE CODE: A0000
(59)BLDG: WASTE (60)FLOOR NAME: MAIN (61)RULE 1: 212.00 (62)RULE 2:

ITROL (73)TYPE: 099 NONE
IIPMENT

ITAMINANTS	CAS NUMBER	ENV RATING	EMISSIONS ACTUAL	UNIT	HON DET	PERMISSIBLE	% CONTROL EFFICIENCY	HRLY ACTUAL LBS/HOUR	ANNUAL EMISSIONS (LBS/YEAR) ACTUAL	10×	PERMISSIBLE
JID MIST NEC	(085) NY105-00-0	(086) C	(087) .140	(088) 01	(089) 05	(090) .140	(091)	(092) .140	(093)635.040	(094) 0	(095)635.040
:UM CARBONATE	(096) 00497-19-8	(097) C	(098) .040	(099) 01	(100) 06	(101) .040	(102)	(103) .040	(104) 1.800	(105) 2	(106) 1.800
: PHOSPHIDE ZNAP2	(107) 01314-84-7	(108) B	(109) .010	(110) 20	(111) 05	(112) 5.000	(113)	(114) .001	(115) 4.536	(116) 0	(117) 12247
JID MIST NEC	(118) NY105-00-0	(119) C	(120) .040	(121) 01	(122) 05	(123) .040	(124)	(125) .040	(126)181.440	(127) 0	(128)181.440

)PRIOR COMMENTS (16)BY BARTZ (17)DATE 01/17/83
EQUIP CONFORMS
OPER LEVEL 100%
OPACITY 0%
COMPLAINTS 0
DISPOSAL OK

(18)CURRENT COMMENTS (19)BY Szymanski (20)DATE 5/2/88
1. Incomplete
2.
3.
4.
5.

(27)LAST INSPECTION DATE 1/9/87
(21)INSPECTION STATUS 5
(22)DATE OF NEXT ACTION / /
(23)ISSUE DATE 5/01/88
(24)EXPIRATION DATE 5/01/92
(25)CO FEE

M REP'S SIGNATURE: Carl H. Little DATE: 5/31/88

ISSUING OFFICER'S SIGNATURE: Steven J. Doleski DATE: 6/3/88
REGIONAL PERMIT ADMINISTRATOR

N.Y.S. DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF AIR

SEQNC NO: 9-R-0091
RUN DATE: 12/07/87

60800 0298 0EF-2 W I01
CATION FAC EP UNIT

CERTIFICATE TO OPERATE AN AIR CONTAMINATION SOURCE
PROCESS, EXHAUST OR VENTILATION SYSTEM UNIT
RENEWAL APPLICATION

OWNER	FACILITY	
WEBER-KNAPP	(6) WEBER-KNAPP CO	(11) CONFIDENTIAL STATUS NON-CONFIDNTL
441 CHANDLER	(7) 441 CHANDLER	(12) APPLICATION STATUS IN COMPLIANCE
JAMESTOWN (4) NY	(8) JAMESTOWN (9) 14701	DATE OF LAST CHANGE 11/09/83
14701	(10) REP: MICHAEL P. ALLETTE, V.P.	PRIOR CO ISSUE DATE 03/01/83
		PRIOR CO EXPIRATION DATE 05/01/88

SSION (41)UTM-E: 150.6 KM. (42)STACK HEIGHT: 34 FT. (43)EXIT VELOCITY: 29.00 FT/SEC (44)SIC: 3429 (45)AGENCY-CODE-1:
POINT (46)UTM-N: 669.3 KM. (47)HT ABV STRUC: 10 FT. (48)EXIT FLOW: 9686.00 ACFM (49)CO FEE: $50.00 (50)AGENCY-CODE-2:
0EF-2 (51)GRND ELEV: 1292 FT. (52)STK DIAM: 42X19 IN. (53)EXIT TEMP: 70 DEGR F (54)CO CONDITIONS: 1 3

T I01 (55)HOURS/DAY: 18.0 (56)DAYS/YEAR: 252 (57)% OP BY SEASON: 25 25 25 25 (58)SOURCE CODE: 1204 ETCHING

CESS/UNIT (72)DESCRIPTION 1. CHEMICAL ETCHING OF BULK ALUMINUM PARTS PRIOR
CRIPTION 2. TO ANODIZING OR OTHER OPERATIONS

TROL (73)TYPE: 001 FAN (74)MFG: BUFFALO FORGE 600K (75)ID: 01 (76)DATE INSTALLED: 07/74
IPMENT (77)DISPOSAL METHOD: (78)USEFUL LIFE: 20 YEARS

TAMINANTS	CAS NUMBER	EMISSIONS ACTUAL	UNIT	HOW DET	% CONTROL EFFICIENCY	HRLY ACTUAL LBS/HOUR	ANNUAL EMISSIONS (LBS/YEAR) ACTUAL	10*
IUM HYDROXIDE	(085) 01310-73-2	(087) .360	(088) 01	(089) 05	(091)	(092) .360	(093) 1632	(094) 0

CONTINUED ON NEXT PAGE

N.Y.S. DEPARTMENT OF VIRONMENTAL CONSERVATION
DIVISION OF AIR

SE NO: 9-R-0092
RUN DATE: 12/07/87

60800 0298 0EF-2 W I02
CATION FAC EP UNIT

CERTIFICATE TO OPERATE AN AIR CONTAMINATION SOURCE
PROCESS, EXHAUST OR VENTILATION SYSTEM UNIT
RENEWAL APPLICATION

OWNER	FACILITY	
WEBER-KNAPP	(6) WEBER-KNAPP CO	(11) CONFIDENTIAL STATUS NON-CONFIDNTL
441 CHANDLER	(7) 441 CHANDLER	(12) APPLICATION STATUS IN COMPLIANCE
JAMESTOWN (4) NY	(8) JAMESTOWN (9) 14701	DATE OF LAST CHANGE 11/09/83
14701	(10) REP: MICHAEL P. ALLETTE, V.P.	PRIOR CO ISSUE DATE 03/01/83
		PRIOR CO EXPIRATION DATE 05/01/88

PAGE 2
CONTINUED FROM PREVIOUS PAGE

SSION (41)UTM-E: 150.6 KM. (42)STACK HEIGHT: 34 FT. (43)EXIT VELOCITY: 29.00 FT/SEC (44)SIC: 3429 (45)AGENCY-CODE-1:
POINT (46)UTM-N: 669.3 KM. (47)HT ABV STRUC: 10 FT. (48)EXIT FLOW: 9686.00 ACFM (49)CO FEE: $50.00 (50)AGENCY-CODE-2:
0EF-2 (51)GRND ELEV: 1292 FT. (52)STK DIAM: 42X19 IN. (53)EXIT TEMP: 70 DEGR F (54)CO CONDITIONS: 1 3

T I02 (55)HOURS/DAY: 18.0 (56)DAYS/YEAR: 252 (57)% OP BY SEASON: 25 25 25 25 (58)SOURCE CODE: 1308 OTHER SURFACE COATIN

CESS/UNIT (72)DESCRIPTION 1. ALUMINUM PARTS FINISH COLOR IS SEALED ON PARTS
CRIPTION

ITROL (73)TYPE: 001 FAN (74)MFG: BUFFALO FORGE 600K (75)ID: 01 (76)DATE INSTALLED: 07/74
IPMENT (77)DISPOSAL METHOD: (78)USEFUL LIFE: 20 YEARS

ITAMINANTS	CAS NUMBER	EMISSIONS ACTUAL	UNIT	HOW DET	% CONTROL EFFICIENCY	HRLY ACTUAL LBS/HOUR	ANNUAL EMISSIONS (LBS/YEAR) ACTUAL	10*
:KEL ACETATE	(085) 00373-02-4	(087) .005	(088) 01	(089) 05	(091)	(092) .450	(093) 22.700	(094) 0

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N.Y.S. DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF AIR

SE NO: 9-R-0093
RUN DATE: 12/07/87

60800 0298 0EF-2 W I
CATION FAC EP

CERTIFICATE TO OPERATE AN AIR CONTAMINATION SOURCE
PROCESS, EXHAUST OR VENTILATION SYSTEM UNIT
RENEWAL APPLICATION

OWNER	FACILITY	
WEBER-KNAPP	(6) WEBER-KNAPP CO	(11) CONFIDENTIAL STATUS NON-CONFIDNTL
441 CHANDLER	(7) 441 CHANDLER	(12) APPLICATION STATUS IN COMPLIANCE
JAMESTOWN (4) NY	(8) JAMESTOWN (9) 14701	DATE OF LAST CHANGE 11/09/83
14701	(10) REP: MICHAEL P. ALLETTE, V.P.	PRIOR CO ISSUE DATE 03/01/83
		PRIOR CO EXPIRATION DATE 05/01/88

PAGE 3
CONTINUED FROM PREVIOUS PAGE

SSION (41)UTM-E: 150.6 KM. (42)STACK HEIGHT: 34 FT. (43)EXIT VELOCITY: 29.00 FT/SEC (44)SIC: 3429 (45)AGENCY-CODE-1:
POINT (46)UTM-N: 669.3 KM. (47)HT ABV STRUC: 10 FT. (48)EXIT FLOW: 9686.00 ACFM (49)CO FEE: $50.00 (50)AGENCY-CODE-2:
0EF-2 (51)GRND ELEV: 1292 FT. (52)STK DIAM: 42X19 IN. (53)EXIT TEMP: 70 DEGR F (54)CO CONDITIONS: 1 3

T I (55)HOURS/DAY: 18.0 (56)DAYS/YEAR: 252 (57)% OP BY SEASON: 25 25 25 25 (58)SOURCE CODE: A0000
(59)BLDG: WASTE TREATMENT (60)FLOOR NAME: FIRST FLOOR (61)RULE 1: 212.00 (62)RULE 2:

TAMINANTS	CAS NUMBER	ENV RATING	EMISSIONS ACTUAL	UNIT	HOW DET	PERMISSIBLE	% CONTROL EFFICIENCY	HRLY ACTUAL LBS/HOUR	ANNUAL EMISSIONS (LBS/YEAR) ACTUAL	10^x	PERMISSIBLE
UM HYDROXIDE	(085) 01310-73-2	(086) C	(087) .360	(088) 01	(089) 05	(090) .040	(091)	(092) .360	(093) 1632	(094) 0	(095)181.440
EL ACETATE	(096) 00373-02-4	(097) A	(098) .005	(099) 01	(100) 05	(101) .010	(102)	(103) .005	(104) 22.700	(105) 0	(106) 22.700

)PRIOR COMMENTS (16)BY BARTZ (17)DATE 01/17/83
EQUIP CONFORMS
OPER LEVEL 100%
OPACITY 0%
COMPLAINTS 0
DISPOSAL OK

(18)CURRENT COMMENTS (19)BY Szymanski (20)DATE 5 12 88
1. incompliance
2.
3.
4.
5.

(27)LAST INSPECTION DATE 1/9/87
(21)INSPECTION STATUS 5
(22)DATE OF NEXT ACTION / /
(23)ISSUE DATE 5/01/88
(24)EXPIRATION DATE 5/01/92
(25)CO FEE

M REP'S SIGNATURE: Carl H. Little DATE: 5/31/88

ISSUING OFFICER'S SIGNATURE: Stefan J. Dolecki DATE: 6/3/88
REGIONAL PERMIT ADMINISTRATOR

N.Y.S. DEPARTMENT OF ENVIRONMENTAL CONSERVATION - DIVISION OF AIR 11/09/8

060800 0298 0EF-3 W I

LOCATION FAC EP

CERTIFICATE TO OPERATE AN AIR CONTAMINATION SOURCE

PROCESS, EXHAUST OR VENTILATION SYSTEM UNIT

RENEWAL APPLICATION

OWNER	FACILITY	
1) WEBER-KNAPP	(6) WEBER-KNAPP CO	(11) CONFIDENTIAL STATUS NON-CONFIDNTL
2) 441 CHANDLER	(7) 441 CHANDLER	(12) COMPLIANCE STATUS IN COMPLIANCE
3) JAMESTOWN (4) NY	(8) JAMESTOWN (9) 14701	DATE OF LAST CHANGE 09/07/83
5) 14701	(10) REP: MICHAEL A. ALLETTE, V.P.	(13) PRIOR CO ISSUE DATE 03/01/81
		(14) PRIOR CO EXPIRATION DATE 03/01/84

CONTINUED FROM PREVIOUS PAGE

EMISSION POINT 0EF-3
(41)UTM-E: 150.6 KM. (42)STACK HEIGHT: 37 FT. (43)EXIT VELOCITY: 10.00 FT/SEC (44)SIC: 3429 (45)AGENCY-CODE-1:
(46)UTM-N: 669.3 KM. (47)HT ABV STRUC: 13 FT. (48)EXIT FLOW: 4100.00 ACFM (49)CO FEE: (50)AGENCY-CODE-2:
(51)GRND ELEV: 1292 FT. (52)STK DIAM: 28X34 IN. (53)EXIT TEMP: 70 DEGR F (54)CO CONDITIONS: 1 3

UNIT I
(55)HOURS/DAY: (56)DAYS/YEAR: (57)% OP BY SEASON: (58)SOURCE CODE:
(59)BLDG: PLATING & WASTE (60)FLOOR NAME: FIRST (61)RULE 1: 212.00 (62)RULE 2:

CONTROL EQUIPMENT (73)TYPE: 099 NONE

AIR CONTAMINANTS	CAS NUMBER	ENV RATING	EMISSIONS ACTUAL	EMISSIONS UNIT	EMISSIONS HOW DET	EMISSIONS PERMISSIBLE	% CONTROL EFFICIENCY	HRLY ACTUAL LBS/HOUR	ANNUAL EMISSIONS (LBS/YEAR) ACTUAL	ANNUAL EMISSIONS (LBS/YEAR) 10'	ANNUAL EMISSIONS (LBS/YEAR) PERMISSIBLE
RCMIC ACID*OBSOLET	(085) 11115-74-5	(086) A	(087) .013	(088) 01	(089) 06	(090) .013	(091)	(092) .013	(093) 5.900	(094) 1	(095) 5.90
ITRIC ACID MIST	(096) 07697-37-2	(097) B	(098) .037	(099) 01	(100) 06	(101) .037	(102)	(103) .037	(104) 1.680	(105) 2	(106) 1.68

(15)PRIOR COMMENTS (16)BY (17)DATE	(18)CURRENT COMMENTS (19)BY FWBart (20)DATE 1/5/84	(21)COMPLIANCE 5
1.	1. TEST DATA CONFORMS........OPERATING LEVEL 100 %	(22)DATE OF NEXT ACTION / /
2.	2. OPACITY......% - DISPOSAL ... COMPLAINTS ...	CERTIFICATE TO OPERATE
3.	3.	(23)ISSUE DATE [illegible]
4.	4.	(24)EXPIRATION DATE [illegible]
5.	5.	(25)CO FEE [illegible]

FIRM REP'S SIGNATURE: DATE: / /

ISSUING OFFICER'S SIGNATURE: [illegible] DATE: [illegible]

N.Y.S. DEPARTMENT OF ENVIRONMENTAL CONSERVATION - DIVISION OF AIR 12/05/8

060800 0298 0EF-4 W I01

LOCATION FAC EP UNIT

CERTIFICATE TO OPERATE AN AIR CONTAMINATION SOURCE

PROCESS, EXHAUST OR VENTILATION SYSTEM UNIT

RENEWAL APPLICATION

OWNER	FACILITY	
1) WEBER-KNAPP	(6) WEBER-KNAPP CO	(11) CONFIDENTIAL STATUS NON-CONFIDNTL
2) 441 CHANDLER	(7) 441 CHANDLER	(12) COMPLIANCE STATUS IN COMPLIANCE
3) JAMESTOWN (4) NY	(8) JAMESTOWN (9) 14701	DATE OF LAST CHANGE 11/16/83
5) 14701	(10) REP: MICHAEL P. ALLETTE, V.P.	(13) PRIOR CO ISSUE DATE 03/01/81
		(14) PRIOR CO EXPIRATION DATE 03/01/84

EMISSION POINT 0EF-4: (41)UTM-E: 150.6 KM. (42)STACK HEIGHT: 32 FT. (43)EXIT VELOCITY: 30.00 FT/SEC (44)SIC: 3429 (45)AGENCY-CODE-1:
(46)UTM-N: 669.3 KM. (47)HT ABV STRUC: 8 FT. (48)EXIT FLOW: 7250.00 ACFM (49)CO FEE: (50)AGENCY-CODE-2:
(51)GRND ELEV: 1292 FT. (52)STK DIAM: 5810 IN. (53)EXIT TEMP: 70 DEGR F (54)CO CONDITIONS: 1 3

UNIT I01: (55)HOURS/DAY: 18.0 (56)DAYS/YEAR: 252 (57)% OP BY SEASON: 25 25 25 25 (58)SOURCE CODE: 1201 ACID CLEANING OR DIP

PROCESS/UNIT DESCRIPTION: (72)DESCRIPTION 1. ALUMINUM PARTS ARE STRIPPED IN AN ACID BATH

CONTROL EQUIPMENT: (73)TYPE: 099 NONE

AIR CONTAMINANTS		CAS NUMBER	EMISSIONS ACTUAL		UNIT		HON DET		% CONTROL EFFICIENCY	HRLY ACTUAL LBS/HOUR		ANNUAL EMISSIONS (LBS/YEAR) ACTUAL		10
NITRIC ACID MIST	(085)	07697-37-2	(087)	.020	(088)	01	(089)	06	(091)	(092)	.020	(093)	9.100	(094) 1

CONTINUED ON NEXT PAGE

N.Y.S. DEPARTMENT OF ENVIRONMENTAL CONSERVATION - DIVISION OF AIR 12/05/

060800 0298 0EF-4 W I02
LOCATION FAC EP UNIT

CERTIFICATE TO OPERATE AN AIR CONTAMINATION SOURCE
PROCESS, EXHAUST OR VENTILATION SYSTEM UNIT
RENEWAL APPLICATION

OWNER	FACILITY	
1) WEBER-KNAPP	(6) WEBER-KNAPP CO	(11) CONFIDENTIAL STATUS NON-CONFIDNTI
2) 441 CHANDLER	(7) 441 CHANDLER	(12) COMPLIANCE STATUS IN COMPLIANCE
3) JAMESTOWN (4) NY	(8) JAMESTOWN (9) 14701	DATE OF LAST CHANGE 11/16/83
5) 14701	(10) REP: MICHAEL P. ALLETTE, V.P.	(13) PRIOR CO ISSUE DATE 03/01/81
		(14) PRIOR CO EXPIRATION DATE 03/01/84

PAGE 2
CONTINUED FROM PREVIOUS PAGE

EMISSION POINT 0EF-4
(41)UTM-E: 150.6 KM. (42)STACK HEIGHT: 32 FT. (43)EXIT VELOCITY: 30.00 FT/SEC (44)SIC: 3429 (45)AGENCY-CODE-1:
(46)UTM-N: 669.3 KM. (47)HT ABV STRUC: 8 FT. (48)EXIT FLOW: 7250.00 ACFM (49)CO FEE: (50)AGENCY-CODE-2:
(51)GRND ELEV: 1292 FT. (52)STK DIAM: 5810 IN. (53)EXIT TEMP: 70 DEGR F (54)CO CONDITIONS: 1 3

UNIT I02 (55)HOURS/DAY: 18.0 (56)DAYS/YEAR: 252 (57)% OP BY SEASON: 25 25 25 25 (58)SOURCE CODE: 1201 ACID CLEANING OR DIP

PROCESS/UNIT DESCRIPTION (72)DESCRIPTION 1. ALUMINUM PARTS ARE SENT THROUGH A DEOXIDIZE DIP

CONTROL EQUIPMENT (73)TYPE: 099 NONE

AIR CONTAMINANTS		CAS NUMBER	EMISSIONS ACTUAL		UNIT		HOU DET		% CONTROL EFFICIENCY	HRLY ACTUAL LBS/HOUR		ANNUAL EMISSIONS (LBS/YEAR) ACTUAL		10
NITRIC ACID MIST	(085)	07697-37-2	(087)	.037	(088)	01	(089)	06	(091)	(092)	.037	(093)	1.680	(094) 2

CONTINUED ON NEXT PAGE

N.Y.S. DEPARTMENT OF ENVIRONMENTAL CONSERVATION - DIVISION OF AIR 11/09/[illegible]

060800 0298 0EF-4 W I

LOCATION FAC EP

CERTIFICATE TO OPERATE AN AIR CONTAMINATION SOURCE

PROCESS, EXHAUST OR VENTILATION SYSTEM UNIT

RENEWAL APPLICATION

OWNER	FACILITY	
(1) WEBER-KNAPP	(6) WEBER-KNAPP CO	(11) CONFIDENTIAL STATUS NON-CONFIDNTL
(2) 441 CHANDLER	(7) 441 CHANDLER	(12) COMPLIANCE STATUS IN COMPLIANCE
(3) JAMESTOWN (4) NY	(8) JAMESTOWN (9) 14701	DATE OF LAST CHANGE 09/07/83
(5) 14701	(10) REP: MICHAEL A. ALLETTE, V.P.	(13) PRIOR CO ISSUE DATE 03/01/81
		(14) PRIOR CO EXPIRATION DATE 03/01/84

PAGE 4

CONTINUED FROM PREVIOUS PAGE

EMISSION POINT 0EF-4
(41)UTM-E: 150.6 KM. (42)STACK HEIGHT: 32 FT. (43)EXIT VELOCITY: 30.00 FT/SEC (44)SIC: 3429 (45)AGENCY-CODE-1:
(46)UTM-N: 669.3 KM. (47)HT ABV STRUC: 8 FT. (48)EXIT FLOW: 7250.00 ACFM (49)CO FEE: (50)AGENCY-CODE-2:
(51)GRND ELEV: 1292 FT. (52)STK DIAM: 5810 IN. (53)EXIT TEMP: 70 DEGR F (54)CO CONDITIONS: 1 3 EDIT: REV. REQ.

UNIT I
(55)HOURS/DAY: 18.0 (56)DAYS/YEAR: 252 (57)% OP BY SEASON: 25 25 25 25 (58)SOURCE CODE: 1205 METAL STRIPPING
(59)BLDG: WASTE PLATING (60)FLOOR NAME: GROUND (61)RULE 1: 212.00 (62)RULE 2:

PROCESS/UNIT DESCRIPTION (72)DESCRIPTION
1. ALUMINUM IS SENT THRU
2. A ACID AND A DEOXIDIZE DIPS

CONTROL EQUIPMENT (73)TYPE: 099 NONE

AIR CONTAMINANTS	CAS NUMBER	ENV RATING	EMISSIONS ACTUAL	UNIT	HOW DET	PERMISSIBLE	% CONTROL EFFICIENCY	HRLY ACTUAL LBS/HOUR	ANNUAL EMISSIONS (LBS/YEAR) ACTUAL	10^	PERMISSIBLE
NITRIC ACID MIST	(096) 07697-37-2	(097) B	(098) .077	(099) 01	(100) 06	(101) .077	(102)	(103) .077	(104)349.300	(105) 2	(106)349.300

(15)PRIOR COMMENTS (16)BY (17)DATE	(18)CURRENT COMMENTS (19)BY [signature] (20)DATE 1/5/84	(21)COMPLIANCE 5
1.	1. ~~OPACITY~~ ... DATA CONFORMS ... OPERATING LEVEL ...100%	(22)DATE OF NEXT ACTION / /
2.	2. ...% - DISPOSAL O.K. COMPLAINTS ...	CERTIFICATE TO OPERATE
3.	3.	(23)ISSUE DATE 1/23/84 [illegible]
4.	4.	(24)EXPIRATION DATE [illegible]
5.	5.	(25)CO FEE [illegible]

FIRM REP'S SIGNATURE: DATE: ISSUING OFFICER'S SIGNATURE: Steven J. Doleski DATE: 2/[illegible]

N.Y.S. DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF AIR

SEQNC NO: 9-R-0094
RUN DATE: 12/07/87

0300 0298 0EF-5 W I
ATION FAC EP

CERTIFICATE TO OPERATE AN AIR CONTAMINATION SOURCE
PROCESS, EXHAUST OR VENTILATION SYSTEM UNIT
RENEWAL APPLICATION

MAY 13 1988

OWNER	FACILITY	
WEBER-KNAPP	(6) WEBER-KNAPP CO	(11) CONFIDENTIAL STATUS NON-CONFIDNTL
441 CHANDLER	(7) 441 CHANDLER	(12) APPLICATION STATUS IN COMPLIANCE
JAMESTOWN (4) NY	(8) JAMESTOWN (9) 14701	DATE OF LAST CHANGE 11/09/83
14701	(10) REP: MICHAEL P. ALLETTE, V.P.	PRIOR CO ISSUE DATE 03/01/83
		PRIOR CO EXPIRATION DATE 05/01/88

SION (41)UTM-E: 150.6 KM. (42)STACK HEIGHT: 37 FT. (43)EXIT VELOCITY: 17.00 FT/SEC (44)SIC: 3429 (45)AGENCY-CODE-1:
OINT (46)UTM-N: 669.3 KM. (47)HT ABV STRUC: 13 FT. (48)EXIT FLOW: 4800.00 ACFM (49)CO FEE: $50.00 (50)AGENCY-CODE-2:
EF-5 (51)GRND ELEV: 1292 FT. (52)STK DIAM: 28X24 IN. (53)EXIT TEMP: 70 DEGR F (54)CO CONDITIONS: 1 3

I (55)HOURS/DAY: 18.0 (56)DAYS/YEAR: 252 (57)% OP BY SEASON: 25 25 25 25 (58)SOURCE CODE: 1309 ELECTROPLATING
(59)BLDG: WASTE (60)FLOOR NAME: FIRST FLOOR (61)RULE 1: 212.00 (62)RULE 2:

ESS/UNIT (72)DESCRIPTION 1. ANODIZING OF ALUMINUM PARTS
RIPTION

ROL (73)TYPE: 001 FAN (74)MFG: BUFFALO FORGE 445J (75)ID: 01 (76)DATE INSTALLED: 04/74
PMENT (77)DISPOSAL METHOD: (78)USEFUL LIFE: 20 YEARS

AMINANTS	CAS NUMBER	ENV RATING	EMISSIONS ACTUAL	UNIT	HON DET	PERMISSIBLE	% CONTROL EFFICIENCY	HRLY ACTUAL LBS/HOUR	ANNUAL EMISSIONS (LBS/YEAR) ACTUAL	10×	PERMISSIBLE
JRIC ACID	(085) 07664-93-9	(086) B	(087) .210	(088) 01	(089) 05	(090) .020	(091)	(092) .210	(093)952.560	(094) 0	(095) 90.720

PRIOR COMMENTS (16)BY BARTZ (17)DATE 01/17/83
EQUIP CONFORMS
OPER LEVEL 100%
OPACITY 0%
COMPLAINTS 0
DISPOSAL OK

(18)CURRENT COMMENTS (19)BY Szymanski (20)DATE 5/2/88
1. In compliance
2.
3.
4.
5.

(27)LAST INSPECTION DATE 1/9/87
(21)INSPECTION STATUS 5
(22)DATE OF NEXT ACTION / /
(23)ISSUE DATE 5/10/88
(24)EXPIRATION DATE 5/01/92
(25)CO FEE

I REP'S SIGNATURE: Carl H. Little DATE: 5/31/88

ISSUING OFFICER'S SIGNATURE: Stephen J. Doleski DATE: 6/3/88
REGIONAL PERMIT ADMINISTRATOR

N.Y.S. DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF AIR

SEQNC NO: 9-R-0095
RUN DATE: 12/07/87

60800 0298 0EF-6 W I01
CATION FAC EP UNIT

CERTIFICATE TO OPERATE AN AIR CONTAMINATION SOURCE
PROCESS, EXHAUST OR VENTILATION SYSTEM UNIT
RENEWAL APPLICATION

OWNER	FACILITY	
WEBER-KNAPP	(6) WEBER-KNAPP CO	(11) CONFIDENTIAL STATUS NON-CONFIDNTL
441 CHANDLER	(7) 441 CHANDLER	(12) APPLICATION STATUS IN COMPLIANCE
JAMESTOWN (4) NY	(8) JAMESTOWN (9) 14701	DATE OF LAST CHANGE 06/14/83
14701	(10) REP: MICHAEL P. ALLETTE, V.P.	PRIOR CO ISSUE DATE 05/01/83
		PRIOR CO EXPIRATION DATE 05/01/88

SSION (41)UTM-E: 150.6 KM. (42)STACK HEIGHT: 35 FT. (43)EXIT VELOCITY: 40.00 FT/SEC (44)SIC: 3429 (45)AGENCY-CODE-1:
POINT (46)UTM-N: 669.3 KM. (47)HT ABV STRUC: 11 FT. (48)EXIT FLOW: 6585.00 ACFM (49)CO FEE: $50.00 (50)AGENCY-CODE-2:
0EF-6 (51)GRND ELEV: 1292 FT. (52)STK DIAM: 28X22 IN. (53)EXIT TEMP: 8 DEGR F (54)CO CONDITIONS: 1

T I01 (55)HOURS/DAY: 18.0 (56)DAYS/YEAR: 252 (57)% OP BY SEASON: 25 25 25 25 (58)SOURCE CODE: 1201 ACID CLEANING OR DIP

CESS/UNIT (72)DESCRIPTION 1. REMOVAL OF SAND FROM BRASS AND BRONZE CASTINGS BY
CRIPTION 2. SOAKING 12 HOURS IN HYDROFLUORIC ACID HF FUMES ARE
3. REMOVED TO OUTSIDE ATMOSPHERE

TROL (73)TYPE: 001 FAN (74)MFG: BUFFALO FORGE 445J (75)ID: 01 (76)DATE INSTALLED: 09/74
IPMENT (77)DISPOSAL METHOD: (78)USEFUL LIFE: 30 YEARS

TAMINANTS	CAS NUMBER	EMISSIONS ACTUAL	UNIT	HOW DET	% CONTROL EFFICIENCY	HRLY ACTUAL LBS/HOUR	ANNUAL EMISSIONS (LBS/YEAR) ACTUAL	10×
USE 07647-01-0	(085) 07647-01-1	(087)	(088) 94	(089)	(091)	(092) .070	(093) 317.520	(094) 0

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N.Y.S. DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF AIR

SEQNC NO: 9-R-0096
RUN DATE: 12/07/87

60800 0298 0EF-6 W I02
CATION FAC EP UNIT

CERTIFICATE TO OPERATE AN AIR CONTAMINATION SOURCE
PROCESS, EXHAUST OR VENTILATION SYSTEM UNIT
RENEWAL APPLICATION

OWNER	FACILITY	
WEBER-KNAPP	(6) WEBER-KNAPP CO	(11) CONFIDENTIAL STATUS NON-CONFIDNTL
441 CHANDLER	(7) 441 CHANDLER	(12) APPLICATION STATUS IN COMPLIANCE
JAMESTOWN (4) NY	(8) JAMESTOWN (9) 14701	DATE OF LAST CHANGE 06/14/83
14701	(10) REP: MICHAEL P. ALLETTE, V.P.	PRIOR CO ISSUE DATE 05/01/83
		PRIOR CO EXPIRATION DATE 05/01/88

PAGE 2
CONTINUED FROM PREVIOUS PAGE

SSION (41)UTM-E: 150.6 KM. (42)STACK HEIGHT: 35 FT. (43)EXIT VELOCITY: 40.00 FT/SEC (44)SIC: 3429 (45)AGENCY-CODE-1:
POINT (46)UTM-N: 669.3 KM. (47)HT ABV STRUC: 11 FT. (48)EXIT FLOW: 6585.00 ACFM (49)CO FEE: $50.00 (50)AGENCY-CODE-2:
0EF-6 (51)GRND ELEV: 1292 FT. (52)STK DIAM: 28X22 IN. (53)EXIT TEMP: 8 DEGR F (54)CO CONDITIONS: 1

T I02 (55)HOURS/DAY: 9.0 (56)DAYS/YEAR: 252 (57)% OP BY SEASON: 25 25 25 25 (58)SOURCE CODE: 1201 ACID CLEANING OR DIP

CESS/UNIT (72)DESCRIPTION 1. PARTS ARE CLEANED OF ANY RUST PRIOR
CRIPTION 2. TO FINISHING OPERATIONS

TROL (73)TYPE: 001 FAN (74)MFG: BUFFALO FORGE 445J (75)ID: 01 (76)DATE INSTALLED: 09/74
IPMENT (77)DISPOSAL METHOD: (78)USEFUL LIFE: 30 YEARS

			EMISSIONS			% CONTROL	HRLY ACTUAL	ANNUAL EMISSIONS (LBS/YEAR)	
TAMINANTS	CAS NUMBER		ACTUAL	UNIT	HOW DET	EFFICIENCY	LBS/HOUR	ACTUAL	10×
ROGEN CHLORIDE	(085) 07647-01-0	(087)	(088) 94		(089)	(091)	(092) .001	(093) 2.268	(094) 0

CONTINUED ON NEXT PAGE

N.Y.S. DEPARTMENT OF ,VIRONMENTAL CONSERVATION
DIVISION OF AIR

SEQ. NO: 9-R-0097
RUN DATE: 12/07/87

60800 0298 0EF-6 W I
CATION FAC EP

CERTIFICATE TO OPERATE AN AIR CONTAMINATION SOURCE
PROCESS, EXHAUST OR VENTILATION SYSTEM UNIT
RENEWAL APPLICATION

MAY 13 1988

OWNER	FACILITY	
WEBER-KNAPP	(6) WEBER-KNAPP CO	(11) CONFIDENTIAL STATUS NON-CONFIDNTL
441 CHANDLER	(7) 441 CHANDLER	(12) APPLICATION STATUS IN COMPLIANCE
JAMESTOWN (4) NY	(8) JAMESTOWN (9) 14701	DATE OF LAST CHANGE 06/14/83
14701	(10) REP: MICHAEL P. ALLETTE, V.P.	PRIOR CO ISSUE DATE 05/01/83
		PRIOR CO EXPIRATION DATE 05/01/88

PAGE 3
CONTINUED FROM PREVIOUS PAGE

SSION (41)UTM-E: 150.6 KM. (42)STACK HEIGHT: 35 FT. (43)EXIT VELOCITY: 40.00 FT/SEC (44)SIC: 3429 (45)AGENCY-CODE-1:
POINT (46)UTM-N: 669.3 KM. (47)HT ABV STRUC: 11 FT. (48)EXIT FLOW: 6585.00 ACFM (49)CO FEE: $50.00 (50)AGENCY-CODE-2:
0EF-6 (51)GRND ELEV: 1292 FT. (52)STK DIAM: 28X22 IN. (53)EXIT TEMP: 8 DEGR F (54)CO CONDITIONS: 1

T I (55)HOURS/DAY: 18.0 (56)DAYS/YEAR: 252 (57)% OP BY SEASON: 25 25 25 25 (58)SOURCE CODE: A0000
(59)BLDG: PLATING & WASTE TREATMENT (60)FLOOR NAME: 1 (61)RULE 1: 212.00 (62)RULE 2:

TAMINANTS	CAS NUMBER	ENV RATING	EMISSIONS ACTUAL	UNIT	HOW DET	EMISSIONS PERMISSIBLE	% CONTROL EFFICIENCY	HRLY ACTUAL LBS/HOUR	ANNUAL EMISSIONS (LBS/YEAR) ACTUAL	10^x	PERMISSIBLE
SE 07647-01-0	(085) 07647-01-1	(086) B	(087) .070	(088) 01	(089) 05	(090) .080	(091)	(092) .070	(093)317.520	(094) 0	(095)362.880
OGEN CHLORIDE	(096) 07647-01-0	(097) B	(098) .001	(099) 01	(100) 05	(101) .010	(102)	(103) .001	(104) 4.536	(105) 0	(106) 45.360

PRIOR COMMENTS (16)BY BARTZ (17)DATE 03/31/83
EQUIP CONFORMS
OPER LEVEL 100%
OPACITY 0%
COMPLAINTS 0
DISPOSAL OK

(18)CURRENT COMMENTS (19)BY Szymanski (20)DATE 5/2/88
1. in compliance
2.
3.
4.
5.

(27)LAST INSPECTION DATE 1/9/87
(21)INSPECTION STATUS 5
(22)DATE OF NEXT ACTION / /
(23)ISSUE DATE 5/01/88
(24)EXPIRATION DATE 5/01/92
(25)CO FEE

1 REP'S SIGNATURE: Carl H. Little DATE: 5/31/88

ISSUING OFFICER'S SIGNATURE: Steven J. Doleski DATE: 6/3/88
REGIONAL PERMIT ADMINISTRATOR

N.Y.S. DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF AIR

SEQNC NO: 9-R-0099
RUN DATE: 12/07/87

60800 0298 0EF-7 W I
)CATION FAC EP

CERTIFICATE TO OPERATE AN AIR CONTAMINATION SOURCE
PROCESS, EXHAUST OR VENTILATION SYSTEM UNIT
RENEWAL APPLICATION

MAY 13 1988

OWNER	FACILITY	
WEBER-KNAPP	(6) WEBER-KNAPP CO	(11) CONFIDENTIAL STATUS NON-CONFIDNTL
441 CHANDLER	(7) 441 CHANDLER	(12) APPLICATION STATUS IN COMPLIANCE
JAMESTOWN (4) NY	(8) JAMESTOWN (9) 14701	DATE OF LAST CHANGE 11/21/83
14701	(10) REP: MICHAEL P. ALLETTE, V.P.	PRIOR CO ISSUE DATE 05/01/83
		PRIOR CO EXPIRATION DATE 05/01/88

SSION (41)UTM-E: 150.6 KM. (42)STACK HEIGHT: 35 FT. (43)EXIT VELOCITY: 18.00 FT/SEC (44)SIC: 3429 (45)AGENCY-CODE-1:
POINT (46)UTM-N: 669.3 KM. (47)HT ABV STRUC: 11 FT. (48)EXIT FLOW: 2725.00 ACFM (49)CO FEE: $50.00 (50)AGENCY-CODE-2:
0EF-7 (51)GRND ELEV: 21 FT. (52)STK DIAM: 2218 IN. (53)EXIT TEMP: 8 DEGR F (54)CO CONDITIONS: 1

T I (55)HOURS/DAY: 24.0 (56)DAYS/YEAR: 252 (57)% OP BY SEASON: 25 25 25 25 (58)SOURCE CODE: 1201 ACID CLEANING OR DIP
(59)BLDG: PLATING & WASTE TREATMENT (60)FLOOR NAME: FIRST FLOOR (61)RULE 1: 212.00 (62)RULE 2:

CESS/UNIT (72)DESCRIPTION 1. ALUMINUM WORK IS BRIGHTENED PRIOR TO ANODIZING BY
CRIPTION 2. DIPPING IN A NITRIC-PHOSPHORIC TYPE
3. BATH HEATED TO 200F.

TROL (73)TYPE: 099 NONE
IPMENT

TAMINANTS	CAS NUMBER	ENV RATING	EMISSIONS ACTUAL	UNIT	HON DET	PERMISSIBLE	% CONTROL EFFICIENCY	HRLY ACTUAL LBS/HOUR	ANNUAL EMISSIONS (LBS/YEAR) ACTUAL	10^x	PERMISSIBLE
ID MIST NEC	(085) NY105-00-0	(086) A	(087) .130	(088) 01	(089) 05	(090) .130	(091)	(092) .130	(093)786.240	(094) 0	(095)786.240

PRIOR COMMENTS (16)BY BARTZ (17)DATE 03/31/83
EQUIP CONFORMS
OPER LEVEL 100%
OPACITY 0%
COMPLAINTS 0
DISPOSAL OK

(18)CURRENT COMMENTS (19)BY Szymanski (20)DATE 5/2/88
1. In compliance
2.
3.
4.
5.

(27)LAST INSPECTION DATE 1/9/87
(21)INSPECTION STATUS 5
(22)DATE OF NEXT ACTION / /
(23)ISSUE DATE 5/01/88
(24)EXPIRATION DATE 5/01/92
(25)CO FEE

1 REP'S SIGNATURE: Carl H. Little DATE: 5/31/88

ISSUING OFFICER'S SIGNATURE: Steven J. Doleski DATE: 6/3/88
REGIONAL PERMIT ADMINISTRATOR

N.Y.S. DEPARTMENT OF ENVIRONMENTAL CONSERVATION - DIVISION OF AIR 11/09/8

060800 0298 0EF-8 W I

LOCATION FAC EP

CERTIFICATE TO OPERATE AN AIR CONTAMINATION SOURCE
PROCESS, EXHAUST OR VENTILATION SYSTEM UNIT
RENEWAL APPLICATION

OWNER	FACILITY	
(1) WEBER-KNAPP	(6) WEBER-KNAPP CO	(11) CONFIDENTIAL STATUS NON-CONFIDNTL
(2) 441 CHANDLER	(7) 441 CHANDLER	(12) COMPLIANCE STATUS IN COMPLIANCE
(3) JAMESTOWN (4) NY	(8) JAMESTOWN (9) 14701	DATE OF LAST CHANGE 09/07/83
(5) 14701	(10) REP: MICHAEL A. ALLETTE, V.P.	(13) PRIOR CO ISSUE DATE 03/01/81
		(14) PRIOR CO EXPIRATION DATE 03/01/84

EMISSION POINT 0EF-8

(41)UTM-E: 150.6 KM. (42)STACK HEIGHT: 35 FT. (43)EXIT VELOCITY: 23.00 FT/SEC (44)SIC: 3429 (45)AGENCY-CODE-1:
(46)UTM-N: 669.3 KM. (47)HT ABV STRUC: 11 FT. (48)EXIT FLOW: 5390.00 ACFM (49)CO FEE: (50)AGENCY-CODE-2:
(51)GRND ELEV: 1292 FT. (52)STK DIAM: 28X22 IN. (53)EXIT TEMP: 70 DEGR F (54)CO CONDITIONS: 1 3

UNIT I (55)HOURS/DAY: 18.0 (56)DAYS/YEAR: 252 (57)% OP BY SEASON: (58)SOURCE CODE: 1201 ACID CLEANING OR DIP
(59)BLDG: PLATING & WASTE (60)FLOOR NAME: FIRST (61)RULE 1: 212.00 (62)RULE 2:

PROCESS/UNIT DESCRIPTION (72)DESCRIPTION
1. COPPER BRIGHT DIPPING OPERATION IN NITRIC AND
2. SULFURIC ACIDS FOLLOWED BY A WASTE TREATMENT
3. PROCESS BOTH BRIGHT DIPPING AND WASTE TREATMENT
4. OPERATIONS ARE EXHAUSTED BY THE SAME STACK

CONTROL EQUIPMENT (73)TYPE: 099 NONE

AIR CONTAMINANTS	CAS NUMBER	ENV RATING	EMISSIONS ACTUAL	EMISSIONS UNIT	EMISSIONS HOW DET	EMISSIONS PERMISSIBLE	% CONTROL EFFICIENCY	HRLY ACTUAL LBS/HOUR	ANNUAL EMISSIONS (LBS/YEAR) ACTUAL	10^	PERMISSIBLE
NITRIC ACID MIST	(085) 07697-37-2	(086) B	(087) .124	(088) 01	(089) 06	(090) .124	(091)	(092) .124	(093) 5.600	(094) 2	(095) 5.600
SULFURIC ACID MIST	(096) 07664-93-9	(097) B	(098) .165	(099) 01	(100) 06	(101) .165	(102)	(103) .165	(104) 7.480	(105) 2	(106) 7.480
SODIUM CARBONATE	(107) 00497-19-8	(108) C	(109) .065	(110) 01	(111) 06	(112) .065	(113)	(114) .065	(115) 6.080	(116) 1	(117) 6.080
SODIUM HYDROXIDE	(118) 01310-73-2	(119) B	(120) .055	(121) 01	(122) 06	(123) .055	(124)	(125) .055	(126) 5.100	(127) 1	(128) 5.100

(15)PRIOR COMMENTS (16)BY (17)DATE

(18)CURRENT COMMENTS (19)BY B.Bart (20)DATE 01/06/84
1. EQPT & DATA CONFORMS.....OPERATING LEVEL 100%
2. OPACITY...0...% - DISPOSAL O.K. COMPLAINTS...0...
3.
4.
5.

(21)COMPLIANCE 5
(22)DATE OF NEXT ACTION / /

CERTIFICATE TO OPERATE
(23)ISSUE DATE 7/23/89 03/23/89
(24)EXPIRATION DATE ~~07/14/93~~
(25)CO FEE 50.00

FIRM REP'S SIGNATURE: DATE:

ISSUING OFFICER'S SIGNATURE: DATE:

N.Y.S. DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF AIR

SEQNC NO: 9-R-0100
RUN DATE: 12/07/87

60800 0298 0EF-9 W I
)CATION FAC EP

CERTIFICATE TO OPERATE AN AIR CONTAMINATION SOURCE
PROCESS, EXHAUST OR VENTILATION SYSTEM UNIT
RENEWAL APPLICATION

MAY 13 1988

OWNER	FACILITY	
WEBER-KNAPP	(6) WEBER-KNAPP CO	(11) CONFIDENTIAL STATUS NON-CONFIDNTL
441 CHANDLER	(7) 441 CHANDLER	(12) APPLICATION STATUS IN COMPLIANCE
JAMESTOWN (4) NY	(8) JAMESTOWN (9) 14701	DATE OF LAST CHANGE 11/16/83
14701	(10) REP: MICHAEL P. ALLETTE, V.P.	PRIOR CO ISSUE DATE 05/01/83
		PRIOR CO EXPIRATION DATE 05/01/88

SSION (41)UTM-E: 150.6 KM. (42)STACK HEIGHT: 38 FT. (43)EXIT VELOCITY: 27.00 FT/SEC (44)SIC: 3429 (45)AGENCY-CODE-1:
POINT (46)UTM-N: 669.3 KM. (47)HT ABV STRUC: 14 FT. (48)EXIT FLOW: 11400.00 ACFM (49)CO FEE: $50.00 (50)AGENCY-CODE-2:
0EF-9 (51)GRND ELEV: 1292 FT. (52)STK DIAM: 34X34 IN. (53)EXIT TEMP: 8 DEGR F (54)CO CONDITIONS: 1

T I (55)HOURS/DAY: 18.0 (56)DAYS/YEAR: 252 (57)% OP BY SEASON: 25 25 25 25 (58)SOURCE CODE: 1309 ELECTROPLATING
(59)BLDG: PLATING & WASTE TREATMENT (60)FLOOR NAME: 1 (61)RULE 1: 212.00 (62)RULE 2:

CESS/UNIT CRIPTION (72)DESCRIPTION 1. 5 STATION NICKEL PLATING OPERATION.

TROL IPMENT (73)TYPE: 001 FAN (74)MFG: BUFFALO FORGE 600K (75)ID: 01 (76)DATE INSTALLED: 09/74
(77)DISPOSAL METHOD: (78)USEFUL LIFE: 10 YEARS

TAMINANTS	CAS NUMBER	ENV RATING	EMISSIONS ACTUAL	UNIT	HOW DET	PERMISSIBLE	% CONTROL EFFICIENCY	HRLY ACTUAL LBS/HOUR	ANNUAL EMISSIONS (LBS/YEAR) ACTUAL	10×	PERMISSIBLE
ICULATES	(085) NY075-00-0	(086) B	(087) .020	(088) 21	(089) 09	(090) 5.000	(091)	(092) .020	(093) 90.720	(094) 0	(095) 17446

PRIOR COMMENTS (16)BY BARTZ (17)DATE 03/31/83
EQUIP CONFORMS
OPER LEVEL 100%
OPACITY 0%
COMPLAINTS 0
DISPOSAL OK

(18)CURRENT COMMENTS (19)BY Szymanski (20)DATE 5/2/88
1. In compliance
2.
3.
4.
5.

(27)LAST INSPECTION DATE 1/9/87
(21)INSPECTION STATUS 5
(22)DATE OF NEXT ACTION / /
(23)ISSUE DATE 5/01/88
(24)EXPIRATION DATE 5/01/92
(25)CO FEE

1 REP'S SIGNATURE: Carl H. Little DATE: 5/31/88

ISSUING OFFICER'S SIGNATURE: Stewart J. Doleski
REGIONAL PERMIT ADMINISTRATOR
DATE: 6/3/88

N.Y.S. DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF AIR

SEQNC NO: 9-R-0079
RUN DATE: 09/05/84

060800 0298 EF-17 W I
LOCATION FAC EP

CERTIFICATE TO OPERATE AN AIR CONTAMINATION SOURCE
PROCESS, EXHAUST OR VENTILATION SYSTEM UNIT
RENEWAL APPLICATION

OWNER	FACILITY	
) WEBER-KNAPP	(6) WEBER-KNAPP CO	(11) CONFIDENTIAL STATUS NON-CONFIDNTL
) 441 CHANDLER	(7) 441 CHANDLER	(12) APPLICATION STATUS IN COMPLIANCE
) JAMESTOWN (4) NY	(8) JAMESTOWN (9) 14701	DATE OF LAST CHANGE 04/13/84
) 14701	(10) REP: MICHAEL P. ALLETTE, V.P.	PRIOR CO ISSUE DATE 01/26/84
		PRIOR CO EXPIRATION DATE 02/02/85

MISSION (41)UTM-E: 150.6 KM. (42)STACK HEIGHT: 4 FT. (43)EXIT VELOCITY: 8.30 FT/SEC (44)SIC: 3429 (45)AGENCY-CODE-1:
POINT (46)UTM-N: 669.3 KM. (47)HT ABV STRUC: -20 FT. (48)EXIT FLOW: 2000.00 ACFM (49)CO FEE: (50)AGENCY-CODE-2:
EF-17 (51)GRND ELEV: 1292 FT. (52)STK DIAM: 24 X 24 IN. (53)EXIT TEMP: 70 DEGR F (54)CO CONDITIONS: 1 3 EDIT: REV. REQ.

NIT I (55)HOURS/DAY: 4.0 (56)DAYS/YEAR: 120 (57)% OP BY SEASON: 25 25 25 25 (58)SOURCE CODE: 1102 POLISHING AND BUFFIN
(59)BLDG: PLATING AND WASTE TREATMENT (60)FLOOR NAME: NA (61)RULE 1: 212.00 (62)RULE 2:

OCESS/UNIT ESCRIPTION (72)DESCRIPTION
1. BRASS HARDWARE AND HINGES ARE TUMBLED IN A HORIZONTAL
2. DRUM CONTAINING A MIXTURE OF 100 POUNDS GROUND
3. CORN COBS AND FIVE POUNDS ANTIMONY SULFIDE PROCESS
4. CONSISTS OF 3 UNITS EACH WITH 2 DRUMS

CONTROL EQUIPMENT (73)TYPE: 008 FABRIC COLLECTOR (74)MFG: DYNA-LOCK FILTER 33-202-24-010 (75)ID: 01 (76)DATE INSTALLED: 01/84
(77)DISPOSAL METHOD: 02 LANDFILL - OFFSITE (78)USEFUL LIFE: 10 YEARS

IR ONTAMINANTS	CAS NUMBER	ENV RATING	EMISSIONS ACTUAL	UNIT	HON DET	PERMISSIBLE	% CONTROL EFFICIENCY	HRLY ACTUAL LBS/HOUR	ANNUAL EMISSIONS (LBS/YEAR) ACTUAL	10	PERMISSIBLE
RTICULATES ORGANIC	(085) NY075-00-3	(086)	(087) 1.200	(088) 21	(089) 06	(090)	(091) 60.0	(092) .200	(093) 96.000	(094) 0	(095)
TIMONY TRISULFIDE	(096) 01345-04-6	(097)	(098) .040	(099) 21	(100) 06	(101)	(102) 60.0	(103) .010	(104) 4.800	(105) 0	(106)
TAL SOLID PART	(107) NY079-00-0	(108) B	(109)	(110) 21	(111)	(112) 5.000	(113)	(114)	(115)	(116) 0	(117)315.000

(15)PRIOR COMMENTS (16)BY (17)DATE	(18)CURRENT COMMENTS (19)BY J. McGARRY (20)DATE 10/18/84	(27)LAST INSPECTION DATE 1/5/84
..	1. NO INSP PERFORMED	(21)INSPECTION STATUS 5
2.	2.	(22)DATE OF NEXT ACTION / /
3.	3.	(23)ISSUE DATE 1/25/85 10/25/84
4.	4.	(24)EXPIRATION DATE 5/31/85
5.	5.	(25)CO FEE 40.00

IRM REP'S SIGN E: DATE: ISSUING OFFICER'S SIGNATURE: Steven A. Dolen TE: 10/25/84

N.Y.S. DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF AIR

SEQNC NO: 9-R-0108
RUN DATE: 12/07/87

60800 0298 EF-18 W I01
OCATION FAC EP UNIT

CERTIFICATE TO OPERATE AN AIR CONTAMINATION SOURCE
PROCESS, EXHAUST OR VENTILATION SYSTEM UNIT
RENEWAL APPLICATION

O W N E R	F A C I L I T Y	
) WEBER-KNAPP	(6) WEBER-KNAPP CO	(11) CONFIDENTIAL STATUS NON-CONFIDNTL
) 441 CHANDLER	(7) 441 CHANDLER	(12) APPLICATION STATUS IN COMPLIANCE
) JAMESTOWN (4) NY	(8) JAMESTOWN (9) 14701	DATE OF LAST CHANGE 02/11/86
) 14701	(10) REP: MICHAEL P. ALLETTE, V.P.	PRIOR CO ISSUE DATE 08/01/85
		PRIOR CO EXPIRATION DATE 05/01/88

ISSION (41)UTM-E: 150.6 KM. (42)STACK HEIGHT: 39 FT. (43)EXIT VELOCITY: 33.70 FT/SEC (44)SIC: 3429 (45)AGENCY-CODE-1:
POINT (46)UTM-N: 669.3 KM. (47)HT ABV STRUC: 15 FT. (48)EXIT FLOW: 12810.00 ACFM (49)CO FEE: (50)AGENCY-CODE-2:
EF-18 (51)GRND ELEV: 1292 FT. (52)STK DIAM: 24X38 IN. (53)EXIT TEMP: 70 DEGR F (54)CO CONDITIONS: 1

T I01 (55)HOURS/DAY: 18.0 (56)DAYS/YEAR: 252 (57)% OP BY SEASON: 25 25 25 25 (58)SOURCE CODE: 1309 ELECTROPLATING

OCESS/UNIT (72)DESCRIPTION 1. BRONZE PLATING OPERATION
SCRIPTION

NTROL (73)TYPE: 099 NONE
UIPMENT

R			E M I S S I O N S						% CONTROL	HRLY ACTUAL	ANNUAL EMISSIONS (LBS/YEAR)	
TAMINANTS		CAS NUMBER	ACTUAL		UNIT		HOW DET		EFFICIENCY	LBS/HOUR	ACTUAL	10
DROGEN CYANIDE	(085)	00074-90-8	(087)	.020	(088)	01	(089) 05		(091)	(092) .020	(093) 90.720	(094) 0

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N.Y.S. DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF AIR

SEQ NO: 9-R-0109
RUN DATE: 12/07/87

60800 0298 EF-18 W I02
LOCATION FAC EP UNIT

CERTIFICATE TO OPERATE AN AIR CONTAMINATION SOURCE
PROCESS, EXHAUST OR VENTILATION SYSTEM UNIT
RENEWAL APPLICATION

OWNER	FACILITY	
) WEBER-KNAPP	(6) WEBER-KNAPP CO	(11) CONFIDENTIAL STATUS NON-CONFIDNTL
) 441 CHANDLER	(7) 441 CHANDLER	(12) APPLICATION STATUS IN COMPLIANCE
) JAMESTOWN (4) NY	(8) JAMESTOWN (9) 14701	DATE OF LAST CHANGE 02/11/86
) 14701	(10) REP: MICHAEL P. ALLETTE, V.P.	PRIOR CO ISSUE DATE 08/01/85
		PRIOR CO EXPIRATION DATE 05/01/88

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CONTINUED FROM PREVIOUS PAGE

ISSION (41)UTM-E: 150.6 KM. (42)STACK HEIGHT: 39 FT. (43)EXIT VELOCITY: 33.70 FT/SEC (44)SIC: 3429 (45)AGENCY-CODE-1:
POINT (46)UTM-N: 669.3 KM. (47)IT ABV STRUC: 15 FT. (48)EXIT FLOW: 12810.00 ACFM (49)CO FEE: (50)AGENCY-CODE-2:
EF-18 (51)GRND ELEV: 1292 FT. (52)STK DIAM: 24X38 IN. (53)EXIT TEMP: 70 DEGR F (54)CO CONDITIONS: 1

T I02 (55)HOURS/DAY: 18.0 (56)DAYS/YEAR: 252 (57)% OP BY SEASON: 25 25 25 25 (58)SOURCE CODE: 1309 ELECTROPLATING

OCESS/UNIT (72)DESCRIPTION 1. COPPER STRIKE OPERATIONS
SCRIPTION

NTROL (73)TYPE: 099 NONE
UIPMENT

R			EMISSIONS					% CONTROL	HRLY ACTUAL	ANNUAL EMISSIONS (LBS/YEAR)	
TAINANTS		CAS NUMBER	ACTUAL	UNIT		HOW DET		EFFICIENCY	LBS/HOUR	ACTUAL	10%
DROGEN CYANIDE	(085)	00074-90-8	(087) .020	(088)	01	(089)	05	(091)	(092) .020	(093) 90.720	(094) 0

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N.Y.S. DEPARTMENT OF ...VIRONMENTAL CONSERVATION
DIVISION OF AIR

SEQ... NO: 9-R-0110
RUN DATE: 12/07/87

)60800 0298 EF-18 W I03
OCATION FAC EP UNIT

CERTIFICATE TO OPERATE AN AIR CONTAMINATION SOURCE
PROCESS, EXHAUST OR VENTILATION SYSTEM UNIT
RENEWAL APPLICATION

OWNER	FACILITY	
) WEBER-KNAPP	(6) WEBER-KNAPP CO	(11) CONFIDENTIAL STATUS NON-CONFIDNTL
) 441 CHANDLER	(7) 441 CHANDLER	(12) APPLICATION STATUS IN COMPLIANCE
) JAMESTOWN (4) NY	(8) JAMESTOWN (9) 14701	DATE OF LAST CHANGE 02/11/86
) 14701	(10) REP: MICHAEL P. ALLETTE, V.P.	PRIOR CO ISSUE DATE 08/01/85
		PRIOR CO EXPIRATION DATE 05/01/88

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CONTINUED FROM PREVIOUS PAGE

ISSION (41)UTM-E: 150.6 KM. (42)STACK HEIGHT: 39 FT. (43)EXIT VELOCITY: 33.70 FT/SEC (44)SIC: 3429 (45)AGENCY-CODE-1:
POINT (46)UTM-N: 669.3 KM. (47)HT ABV STRUC: 15 FT. (48)EXIT FLOW: 12810.00 ACFM (49)CO FEE: (50)AGENCY-CODE-2:
EF-18 (51)GRND ELEV: 1292 FT. (52)STK DIAM: 24X38 IN. (53)EXIT TEMP: 70 DEGR F (54)CO CONDITIONS: 1

IT I03 (55)HOURS/DAY: 18.0 (56)DAYS/YEAR: 252 (57)% OP BY SEASON: 25 25 25 25 (58)SOURCE CODE: 1309 ELECTROPLATING

OCESS/UNIT (72)DESCRIPTION 1. CYANIDE-ZINC PLATING
SCRIPTION

NTROL (73)TYPE: 099 NONE
UIPMENT

R			E M I S S I O N S				% CONTROL	HRLY ACTUAL	ANNUAL EMISSIONS (LBS/YEAR)	
NTAMINANTS		CAS NUMBER	ACTUAL	UNIT	HON DET		EFFICIENCY	LBS/HOUR	ACTUAL	10%
DROGEN CYANIDE	(085)	00074-90-8	(087) .020	(088) 01	(089) 06		(091)	(092) .020	(093) 90.720	(094) 0

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N.Y.S. DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF AIR

SEQNC NO: 9-R-0111
RUN DATE: 12/07/87

60800 0298 EF-18 W I04
OCATION FAC EP UNIT

CERTIFICATE TO OPERATE AN AIR CONTAMINATION SOURCE
PROCESS, EXHAUST OR VENTILATION SYSTEM UNIT
RENEWAL APPLICATION

OWNER	FACILITY	
) WEBER-KNAPP	(6) WEBER-KNAPP CO	(11) CONFIDENTIAL STATUS: NON-CONFIDNTL
) 441 CHANDLER	(7) 441 CHANDLER	(12) APPLICATION STATUS: IN COMPLIANCE
) JAMESTOWN (4) NY	(8) JAMESTOWN (9) 14701	DATE OF LAST CHANGE: 02/11/86
) 14701	(10) REP: MICHAEL P. ALLETTE, V.P.	PRIOR CO ISSUE DATE: 08/01/85
		PRIOR CO EXPIRATION DATE: 05/01/88

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CONTINUED FROM PREVIOUS PAGE

SSION (41)UTM-E: 150.6 KM. (42)STACK HEIGHT: 39 FT. (43)EXIT VELOCITY: 33.70 FT/SEC (44)SIC: 3429 (45)AGENCY-CODE-1:
POINT (46)UTM-N: 669.3 KM. (47)HT ABV STRUC: 15 FT. (48)EXIT FLOW: 12810.00 ACFM (49)CO FEE: (50)AGENCY-CODE-2:
EF-18 (51)GRND ELEV: 1292 FT. (52)STK DIAM: 24X38 IN. (53)EXIT TEMP: 70 DEGR F (54)CO CONDITIONS: 1

T I04 (55)HOURS/DAY: 18.0 (56)DAYS/YEAR: 252 (57)% OP BY SEASON: 25 25 25 25 (58)SOURCE CODE: 1309 ELECTROPLATING

CESS/UNIT (72)DESCRIPTION 1. BRASS PLATING OPERATION
CRIPTION

ITROL (73)TYPE: 099 NONE
JIPMENT

R ITAMINANTS		CAS NUMBER	EMISSIONS ACTUAL		UNIT		HOW DET		% CONTROL EFFICIENCY	HRLY ACTUAL LBS/HOUR		ANNUAL EMISSIONS (LBS/YEAR) ACTUAL		10<
DROGEN CYANIDE	(085)	00074-90-8	(087)	.001	(088)	01	(089)	06	(091)	(092)	.001	(093)	4.540	(094) 0

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N.Y.S. DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF AIR

SEQ NO: 9-R-0112
RUN DATE: 12/07/87

)60800 0298 EF-18 W I05
.OCATION FAC EP UNIT

CERTIFICATE TO OPERATE AN AIR CONTAMINATION SOURCE
PROCESS, EXHAUST OR VENTILATION SYSTEM UNIT
RENEWAL APPLICATION

OWNER	FACILITY	
) WEBER-KNAPP	(6) WEBER-KNAPP CO	(11) CONFIDENTIAL STATUS NON-CONFIDNTL
) 441 CHANDLER	(7) 441 CHANDLER	(12) APPLICATION STATUS IN COMPLIANCE
) JAMESTOWN (4) NY	(8) JAMESTOWN (9) 14701	DATE OF LAST CHANGE 02/11/86
) 14701	(10) REP: MICHAEL P. ALLETTE, V.P.	PRIOR CO ISSUE DATE 08/01/85
		PRIOR CO EXPIRATION DATE 05/01/88

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CONTINUED FROM PREVIOUS PAGE

ISSION (41)UTM-E: 150.6 KM. (42)STACK HEIGHT: 39 FT. (43)EXIT VELOCITY: 33.70 FT/SEC (44)SIC: 3429 (45)AGENCY-CODE-1:
POINT (46)UTM-N: 669.3 KM. (47)HT ABV STRUC: 15 FT. (48)EXIT FLOW: 12810.00 ACFM (49)CO FEE: (50)AGENCY-CODE-2:
EF-18 (51)GRND ELEV: 1292 FT. (52)STK DIAM: 24X38 IN. (53)EXIT TEMP: 70 DEGR F (54)CO CONDITIONS: 1

IT I05 (55)HOURS/DAY: 18.0 (56)DAYS/YEAR: 252 (57)% OP BY SEASON: 25 25 25 25 (58)SOURCE CODE: 1309 ELECTROPLATING

OCESS/UNIT (72)DESCRIPTION 1. COPPER PLATING OPERATIONS
SCRIPTION

NTROL (73)TYPE: 099 NONE
UIPMENT

R			EMISSIONS					% CONTROL	HRLY ACTUAL	ANNUAL EMISSIONS (LBS/YEAR)	
ITAINANTS		CAS NUMBER	ACTUAL	UNIT		MON DET		EFFICIENCY	LBS/HOUR	ACTUAL	10*
DROGEN CYANIDE	(085)	00074-90-8	(087) .001	(088)	01	(089)	06	(091)	(092) .001	(093) 4.540	(094) 0

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N.Y.S. DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF AIR

SEQ NO: 9-R-0113
RUN DATE: 12/07/87

)60300 0298 EF-18 W I06
.OCATION FAC EP UNIT

CERTIFICATE TO OPERATE AN AIR CONTAMINATION SOURCE
PROCESS, EXHAUST OR VENTILATION SYSTEM UNIT
RENEWAL APPLICATION

OWNER	FACILITY	
) WEBER-KNAPP	(6) WEBER-KNAPP CO	(11) CONFIDENTIAL STATUS NON-CONFIDNTL
) 441 CHANDLER	(7) 441 CHANDLER	(12) APPLICATION STATUS IN COMPLIANCE
) JAMESTOWN (4) NY	(8) JAMESTOWN (9) 14701	DATE OF LAST CHANGE 02/11/86
) 14701	(10) REP: MICHAEL P. ALLETTE, V.P.	PRIOR CO ISSUE DATE 08/01/85
		PRIOR CO EXPIRATION DATE 05/01/88

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CONTINUED FROM PREVIOUS PAGE

ISSION (41)UTM-E: 150.6 KM. (42)STACK HEIGHT: 39 FT. (43)EXIT VELOCITY: 33.70 FT/SEC (44)SIC: 3429 (45)AGENCY-CODE-1:
POINT (46)UTM-N: 669.3 KM. (47)HT ABV STRUC: 15 FT. (48)EXIT FLOW: 12810.00 ACFM (49)CO FEE: (50)AGENCY-CODE-2:
EF-18 (51)GRND ELEV: 1292 FT. (52)STK DIAM: 24X38 IN. (53)EXIT TEMP: 70 DEGR F (54)CO CONDITIONS: 1

IT I06 (55)HOURS/DAY: 18.0 (56)DAYS/YEAR: 252 (57)% OP BY SEASON: 25 25 25 25 (58)SOURCE CODE: 1309 ELECTROPLATING

OCESS/UNIT (72)DESCRIPTION 1. CYANIDE STRIPPING OPERATION
SCRIPTION

NTROL (73)TYPE: 099 NONE
UIPMENT

R			EMISSIONS					% CONTROL	HRLY ACTUAL	ANNUAL EMISSIONS (LBS/YEAR)	
NTAMINANTS		CAS NUMBER	ACTUAL	UNIT		HOW DET		EFFICIENCY	LBS/HOUR	ACTUAL	10%
DROGEN CYANIDE	(085)	00074-90-8	(087) .010	(088)	01	(089)	06	(091)	(092) .010	(093) 45.360	(094) 0

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N.Y.S. DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF AIR

SEQNC NO: 9-R-0114
RUN DATE: 12/07/87

)60800 0298 EF-18 W I07
OCATION FAC EP UNIT

CERTIFICATE TO OPERATE AN AIR CONTAMINATION SOURCE
PROCESS, EXHAUST OR VENTILATION SYSTEM UNIT
RENEWAL APPLICATION

OWNER	FACILITY	
) WEBER-KNAPP	(6) WEBER-KNAPP CO	(11) CONFIDENTIAL STATUS NON-CONFIDNTL
) 441 CHANDLER	(7) 441 CHANDLER	(12) APPLICATION STATUS IN COMPLIANCE
) JAMESTOWN (4) NY	(8) JAMESTOWN (9) 14701	DATE OF LAST CHANGE 02/11/86
) 14701	(10) REP: MICHAEL P. ALLETTE, V.P.	PRIOR CO ISSUE DATE 08/01/85
		PRIOR CO EXPIRATION DATE 05/01/88

CONTINUED FROM PREVIOUS PAGE

ISSION (41)UTM-E: 150.6 KM. (42)STACK HEIGHT: 39 FT. (43)EXIT VELOCITY: 33.70 FT/SEC (44)SIC: 3429 (45)AGENCY-CODE-1:
POINT (46)UTM-N: 669.3 KM. (47)HT ABV STRUC: 15 FT. (48)EXIT FLOW: 12810.00 ACFM (49)CO FEE: (50)AGENCY-CODE-2:
EF-18 (51)GRND ELEV: 1292 FT. (52)STK DIAM: 24X38 IN. (53)EXIT TEMP: 70 DEGR F (54)CO CONDITIONS: 1

IT I07 (55)HOURS/DAY: 18.0 (56)DAYS/YEAR: 252 (57)% OP BY SEASON: 25 25 25 25 (58)SOURCE CODE: 1309 ELECTROPLATING

OCESS/UNIT SCRIPTION (72)DESCRIPTION 1. ALUMINUM ALKALINE CLEANING OPERATION

NTROL UIPMENT (73)TYPE: 099 NONE

R NTAMINANTS	CAS NUMBER	EMISSIONS ACTUAL	UNIT	HOW DET	% CONTROL EFFICIENCY	HRLY ACTUAL LBS/HOUR	ANNUAL EMISSIONS (LBS/YEAR) ACTUAL	10%
DROGEN CYANIDE	(085) 00074-90-8	(087)	(088) 94	(089)	(091)	(092) .001	(093) 4.536	(094) 0

CONTINUED ON NEXT PAGE

N.Y.S. DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF AIR

SEQ NO: 9-R-0115
RUN DATE: 12/07/87

060800 0298 EF-18 W I
LOCATION FAC EP

CERTIFICATE TO OPERATE AN AIR CONTAMINATION SOURCE
PROCESS, EXHAUST OR VENTILATION SYSTEM UNIT
RENEWAL APPLICATION

MAY 13 1988

OWNER	FACILITY	
) WEBER-KNAPP	(6) WEBER-KNAPP CO	(11) CONFIDENTIAL STATUS: NON-CONFIDNTL
) 441 CHANDLER	(7) 441 CHANDLER	(12) APPLICATION STATUS: IN COMPLIANCE
) JAMESTOWN (4) NY	(8) JAMESTOWN (9) 14701	DATE OF LAST CHANGE: 02/11/86
) 14701	(10) REP: MICHAEL P. ALLETTE, V.P.	PRIOR CO ISSUE DATE: 08/01/85
		PRIOR CO EXPIRATION DATE: 05/01/88

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CONTINUED FROM PREVIOUS PAGE

ISSION (41)UTM-E: 150.6 KM. (42)STACK HEIGHT: 39 FT. (43)EXIT VELOCITY: 33.70 FT/SEC (44)SIC: 3429 (45)AGENCY-CODE-1:
POINT (46)UTM-N: 669.3 KM. (47)HT ABV STRUC: 15 FT. (48)EXIT FLOW: 12810.00 ACFM (49)CO FEE: (50)AGENCY-CODE-2:
EF-18 (51)GRND ELEV: 1292 FT. (52)STK DIAM: 24X38 IN. (53)EXIT TEMP: 70 DEGR F (54)CO CONDITIONS: 1

IT I (55)HOURS/DAY: 18.0 (56)DAYS/YEAR: 252 (57)% OP BY SEASON: 25 25 25 25 (58)SOURCE CODE: A0000
(59)BLDG: PLATING & WASTE TREATMENT (60)FLOOR NAME: 1 (61)RULE 1: 212.00 (62)RULE 2:

R		ENV	EMISSIONS				% CONTROL	HRLY ACTUAL	ANNUAL EMISSIONS (LBS/YEAR)		
NTAMINANTS	CAS NUMBER	RATING	ACTUAL	UNIT	HON DET	PERMISSIBLE	EFFICIENCY	LBS/HOUR	ACTUAL	10^x	PERMISSIBLE
ROGEN CYANIDE	(085) 00074-90-8	(086) A	(087) .090	(088) 01	(089) 06	(090) .090	(091) .09	(092) .090	(093)408.200	(094) 0	(095)408.200
ONIA	(096) 07664-41-7	(097) C	(098) .050	(099) 01	(100) 06	(101) .050	(102)	(103) .050	(104)136.080	(105) 0	(106)136.080

)PRIOR COMMENTS (16)BY SZYMANSKI (17)DATE 11/12/85

(18)CURRENT COMMENTS (19)BY Szymanski (20)DATE 5/2/88
1. in compliance
2.
3.
4.
5.

(27)LAST INSPECTION DATE 1/9/87
(21)INSPECTION STATUS S
(22)DATE OF NEXT ACTION / /
(23)ISSUE DATE 5/01/88
(24)EXPIRATION DATE 5/01/92
(25)CO FEE

M REP'S SIGNATURE: Carl H. Little DATE: 5/31/88

ISSUING OFFICER'S SIGNATURE: Stephen J. Doleski DATE: 6/3/88
REGIONAL PERMIT ADMINISTRATOR

N.Y.S. DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF AIR

SE NO: 9-X-0224
RUN DATE: 05/02/88

)60800 0298 EF-20 W I01
LOCATION FAC EP UNIT

CERTIFICATE TO OPERATE AN AIR CONTAMINATION SOURCE
PROCESS, EXHAUST OR VENTILATION SYSTEM UNIT
EXPIRATION NOTICE / RENEWAL APPLICATION

OWNER	FACILITY	
) WEBER-KNAPP	(6) WEBER-KNAPP CO	(11) CONFIDENTIAL STATUS NON-CONFIDNTL
) 441 CHANDLER	(7) 441 CHANDLER	(12) APPLICATION STATUS PC/CO EXPIRED
) JAMESTOWN (4) NY	(8) JAMESTOWN (9) 14701	DATE OF LAST CHANGE 11/14/85
) 14701	(10) REP: MICHAEL P. ALLETTE, V.P.	PRIOR CO ISSUE DATE 05/01/83
		PRIOR CO EXPIRATION DATE 05/01/88

ISSION POINT EF-20: (41)UTM-E: 150.6 KM. (42)STACK HEIGHT: 39 FT. (43)EXIT VELOCITY: 38.00 FT/SEC (44)SIC: 3429 (45)AGENCY-CODE-1:
(46)UTM-N: 669.3 KM. (47)HT ABV STRUC: 15 FT. (48)EXIT FLOW: 17300.00 ACFM (49)CO FEE: $50.00 (50)AGENCY-CODE-2:
(51)GRND ELEV: 1292 FT. (52)STK DIAM: 32X38 IN. (53)EXIT TEMP: 8 DEGR F (54)CO CONDITIONS: 1

IT I01: (55)HOURS/DAY: 19.0 (56)DAYS/YEAR: 252 (57)% OP BY SEASON: 25 25 25 25 (58)SOURCE CODE: 1201 ACID CLEANING OR DIP

ROCESS/UNIT DESCRIPTION: (72)DESCRIPTION 1. PICKELING OF STEEL PARTS PRIOR TO PLATING
2. & NON-FERROUS METALS

NTROL QUIPMENT: (73)TYPE: 001 FAN (74)MFG: BUFFALO FORGE 660M (75)ID: 01 (76)DATE INSTALLED: 11/75
(77)DISPOSAL METHOD: (78)USEFUL LIFE: 30 YEARS

ER / NTAMINANTS		CAS NUMBER	EMISSIONS ACTUAL		UNIT		HOW DET		% CONTROL EFFICIENCY	HRLY ACTUAL LBS/HOUR		ANNUAL EMISSIONS (LBS/YEAR) ACTUAL		10
ICKEL SULFATE	(085)	07786-81-4	(087)	.030	(088)	01	(089)	05	(091)	(092)	.030	(093)	143.640	(094) 0

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N.Y.S. DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF AIR

SEQ NO: 9-X-0225
RUN DATE: 05/02/88

060800 0298 EF-20 W I02
LOCATION FAC EP UNIT

CERTIFICATE TO OPERATE AN AIR CONTAMINATION SOURCE
PROCESS, EXHAUST OR VENTILATION SYSTEM UNIT
EXPIRATION NOTICE / RENEWAL APPLICATION

OWNER	FACILITY	
(1) WEBER-KNAPP	(6) WEBER-KNAPP CO	(11) CONFIDENTIAL STATUS NON-CONFIDNTL
(2) 441 CHANDLER	(7) 441 CHANDLER	(12) APPLICATION STATUS PC/CO EXPIRED
(3) JAMESTOWN (4) NY	(8) JAMESTOWN (9) 14701	DATE OF LAST CHANGE 11/14/85
(5) 14701	(10) REP: MICHAEL P. ALLETTE, V.P.	PRIOR CO ISSUE DATE 05/01/83
		PRIOR CO EXPIRATION DATE 05/01/88

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CONTINUED FROM PREVIOUS PAGE

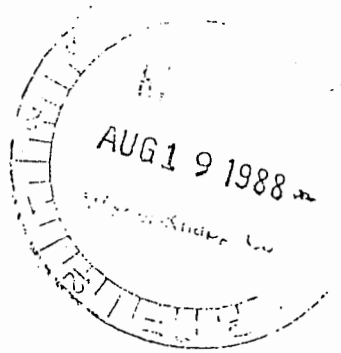
EMISSION (41)UTM-E: 150.6 KM. (42)STACK HEIGHT: 39 FT. (43)EXIT VELOCITY: 38.00 FT/SEC (44)SIC: 3429 (45)AGENCY-CODE-1:
POINT (46)UTM-N: 669.3 KM. (47)HT ABV STRUC: 15 FT. (48)EXIT FLOW: 17300.00 ACFM (49)CO FEE: $50.00 (50)AGENCY-CODE-2:
EF-20 (51)GRND ELEV: 1292 FT. (52)STK DIAM: 32X38 IN. (53)EXIT TEMP: 8 DEGR F (54)CO CONDITIONS: 1

UNIT I02 (55)HOURS/DAY: 19.0 (56)DAYS/YEAR: 252 (57)% OP BY SEASON: 25 25 25 25 (58)SOURCE CODE: 1309 ELECTROPLATING

PROCESS/UNIT DESCRIPTION (72)DESCRIPTION 1. NICKEL PLATING OPERATION

CONTROL EQUIPMENT (73)TYPE: 001 FAN (74)MFG: BUFFALO FORGE 660M (75)ID: 01 (76)DATE INSTALLED: 11/76
(77)DISPOSAL METHOD: (78)USEFUL LIFE: 30 YEARS

ER			EMISSIONS						% CONTROL	HRLY ACTUAL	ANNUAL EMISSIONS (LBS/YEAR)	
CONTAMINANTS		CAS NUMBER	ACTUAL		UNIT		HOW DET		EFFICIENCY	LBS/HOUR	ACTUAL	10%
LIQUID MIST NEC	(085)	NY105-00-0	(087)	.010	(088)	01	(089) 05		(091)	(092) .010	(093) 47.880	(094) 0



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N.Y.S. DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF AIR

SEQ NO: 9-X-0226
RUN DATE: 05/02/88

060800 0298 EF-20 W I03
LOCATION FAC EP UNIT

CERTIFICATE TO OPERATE AN AIR CONTAMINATION SOURCE
PROCESS, EXHAUST OR VENTILATION SYSTEM UNIT
EXPIRATION NOTICE / RENEWAL APPLICATION

OWNER	FACILITY	
) WEBER-KNAPP	(6) WEBER-KNAPP CO	(11) CONFIDENTIAL STATUS NON-CONFIDNTL
) 441 CHANDLER	(7) 441 CHANDLER	(12) APPLICATION STATUS PC/CO EXPIRED
) JAMESTOWN (4) NY	(8) JAMESTOWN (9) 14701	DATE OF LAST CHANGE 11/14/85
) 14701	(10) REP: MICHAEL P. ALLETTE, V.P.	PRIOR CO ISSUE DATE 05/01/83
		PRIOR CO EXPIRATION DATE 05/01/88

PAGE 3
CONTINUED FROM PREVIOUS PAGE

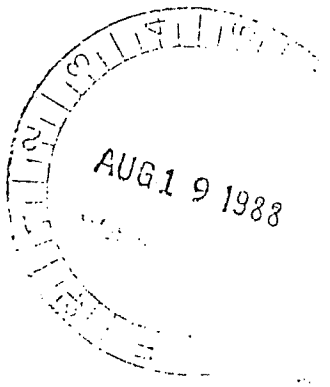
MISSION (41)UTM-E: 150.6 KM. (42)STACK HEIGHT: 39 FT. (43)EXIT VELOCITY: 38.00 FT/SEC (44)SIC: 3429 (45)AGENCY-CODE-1:
POINT (46)UTM-N: 669.3 KM. (47)HT ABV STRUC: 15 FT. (48)EXIT FLOW: 17300.00 ACFM (49)CO FEE: $50.00 (50)AGENCY-CODE-2:
EF-20 (51)GRND ELEV: 1292 FT. (52)STK DIAM: 32X38 IN. (53)EXIT TEMP: 8 DEGR F (54)CO CONDITIONS: 1

UNIT I03 (55)HOURS/DAY: 19.0 (56)DAYS/YEAR: 252 (57)% OP BY SEASON: 25 25 25 25 (58)SOURCE CODE: 1309 ELECTROPLATING

PROCESS/UNIT DESCRIPTION (72)DESCRIPTION 1. ELECTROPLATING CHROME ON STEEL AND NON FERROUS METALS

CONTROL EQUIPMENT (73)TYPE: 001 FAN (74)MFG: BUFFALO FORGE 660M (75)ID: 01 (76)DATE INSTALLED: 11/76
(77)DISPOSAL METHOD: (78)USEFUL LIFE: 30 YEARS

AIR CONTAMINANTS		CAS NUMBER	EMISSIONS ACTUAL	UNIT	HOW DET	% CONTROL EFFICIENCY	HRLY ACTUAL LBS/HOUR	ANNUAL EMISSIONS (LBS/YEAR) ACTUAL	10<
CHROMIC(VI) ACID	(085)	07738-94-5	(087) .040	(088) 01	(089) 05	(091)	(092) .020	(093) 95.760	(094) 0



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N.Y.S. DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF AIR

SEQNC NO: 9-X-0227
RUN DATE: 05/02/88

060800 0298 EF-20 W I04
LOCATION FAC EP UNIT

CERTIFICATE TO OPERATE AN AIR CONTAMINATION SOURCE
PROCESS, EXHAUST OR VENTILATION SYSTEM UNIT
EXPIRATION NOTICE / RENEWAL APPLICATION

OWNER	FACILITY	
(1) WEBER-KNAPP	(6) WEBER-KNAPP CO	(11) CONFIDENTIAL STATUS NON-CONFIDNTL
(2) 441 CHANDLER	(7) 441 CHANDLER	(12) APPLICATION STATUS PC/CO EXPIREI
(3) JAMESTOWN (4) NY	(8) JAMESTOWN (9) 14701	DATE OF LAST CHANGE 11/14/85
(5) 14701	(10) REP: MICHAEL P. ALLETTE, V.P.	PRIOR CO ISSUE DATE 05/01/83
		PRIOR CO EXPIRATION DATE 05/01/88

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CONTINUED FROM PREVIOUS PAGE

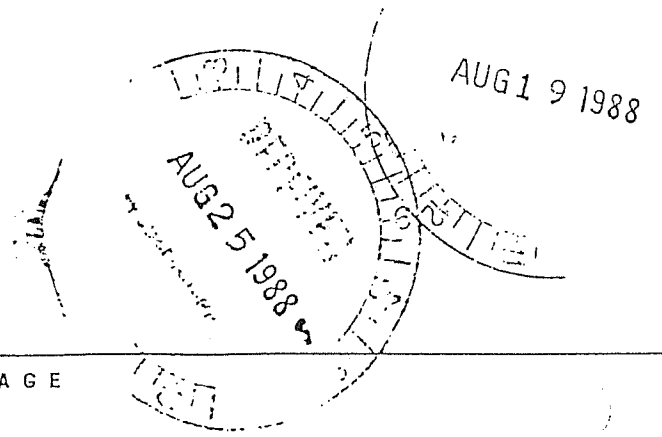
EMISSION POINT EF-20: (41)UTM-E: 150.6 KM. (42)STACK HEIGHT: 39 FT. (43)EXIT VELOCITY: 38.00 FT/SEC (44)SIC: 3429 (45)AGENCY-CODE-1:
(46)UTM-N: 669.3 KM. (47)HT ABV STRUC: 15 FT. (48)EXIT FLOW: 17300.00 ACFM (49)CO FEE: $50.00 (50)AGENCY-CODE-2:
(51)GRND ELEV: 1292 FT. (52)STK DIAM: 32X38 IN. (53)EXIT TEMP: 8 DEGR F (54)CO CONDITIONS: 1

UNIT I04: (55)HOURS/DAY: 19.0 (56)DAYS/YEAR: 252 (57)% OP BY SEASON: 25 25 25 25 (58)SOURCE CODE: 1205 METAL STRIPPING

PROCESS/UNIT DESCRIPTION: (72)DESCRIPTION 1. RACK STRIPPING OPERATIONS

CONTROL EQUIPMENT: (73)TYPE: 001 FAN (74)MFG: BUFFALO FORGE 660 M (75)ID: 01 (76)DATE INSTALLED: 11/75
(77)DISPOSAL METHOD: (78)USEFUL LIFE: 10 YEARS

AIR CONTAMINANTS		CAS NUMBER	EMISSIONS ACTUAL		UNIT		HON DET		% CONTROL EFFICIENCY		HRLY ACTUAL LBS/HOUR		ANNUAL EMISSIONS (LBS/YEAR) ACTUAL		10%	
NITRIC ACID MIST	(085)	07697-37-2	(087)	.020	(088)	01	(089)	05	(091)		(092)	.020	(093)	95.760	(094)	0



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N.Y.S. DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF AIR

SE NO: 9-X-0228
RUN DATE: 05/02/88

060800 0298 EF-20 W I05
LOCATION FAC EP UNIT

CERTIFICATE TO OPERATE AN AIR CONTAMINATION SOURCE
PROCESS, EXHAUST OR VENTILATION SYSTEM UNIT
EXPIRATION NOTICE / RENEWAL APPLICATION

OWNER	FACILITY	
1) NEBER-KNAPP	(6) WEBER-KNAPP CO	(11) CONFIDENTIAL STATUS NON-CONFIDNTL
2) 441 CHANDLER	(7) 441 CHANDLER	(12) APPLICATION STATUS PC/CO EXPIRED
3) JAMESTOWN (4) NY	(8) JAMESTOWN (9) 14701	DATE OF LAST CHANGE 11/14/85
5) 14701	(10) REP: MICHAEL P. ALLETTE, V.P.	PRIOR CO ISSUE DATE 05/01/83
		PRIOR CO EXPIRATION DATE 05/01/88

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CONTINUED FROM PREVIOUS PAGE

EMISSION POINT EF-20: (41)UTM-E: 150.6 KM. (42)STACK HEIGHT: 39 FT. (43)EXIT VELOCITY: 38.00 FT/SEC (44)SIC: 3429 (45)AGENCY-CODE-1:
(46)UTM-N: 669.3 KM. (47)HT ABV STRUC: 15 FT. (48)EXIT FLOW: 17300.00 ACFM (49)CO FEE: $50.00 (50)AGENCY-CODE-2:
(51)GRND ELEV: 1292 FT. (52)STK DIAM: 32X38 IN. (53)EXIT TEMP: 8 DEGR F (54)CO CONDITIONS: 1

UNIT I05: (55)HOURS/DAY: 19.0 (56)DAYS/YEAR: 252 (57)% OP BY SEASON: 25 25 25 25 (58)SOURCE CODE: 1309 ELECTROPLATING

PROCESS/UNIT DESCRIPTION: (72)DESCRIPTION 1. BLACK CHROMATE CONVERSION COATING FOR ZINC PLATED WORK

CONTROL EQUIPMENT: (73)TYPE: 001 FAN (74)MFG: BUFFALO FORGE 660M (75)ID: 01 (76)DATE INSTALLED: 11/75
(77)DISPOSAL METHOD: (78)USEFUL LIFE: 30 YEARS

AIR CONTAMINANTS		CAS NUMBER	EMISSIONS ACTUAL		UNIT		HOW DET		% CONTROL EFFICIENCY	HRLY ACTUAL LBS/HOUR		ANNUAL EMISSIONS (LBS/YEAR) ACTUAL		10
CHROMIC(VI) ACID	(085)	07738-94-5	(087)	.010	(088)	01	(089)	05	(091)	(092)	.010	(093)	47.880	(094) 0

AUG 19 1988
Weber-Knapp Co.

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JUL 1 1988

N.Y.S. DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF AIR

SEQ. NO: 9-X-0229
RUN DATE: 05/02/88

60800 0298 EF-20 W I
OCATION FAC EP

CERTIFICATE TO OPERATE AN AIR CONTAMINATION SOURCE
PROCESS, EXHAUST OR VENTILATION SYSTEM UNIT
EXPIRATION NOTICE / RENEWAL APPLICATION

OWNER	FACILITY	
) WEBER-KNAPP	(6) WEBER-KNAPP CO	(11) CONFIDENTIAL STATUS NON-CONFIDNTL
) 441 CHANDLER	(7) 441 CHANDLER	(12) APPLICATION STATUS PC/CO EXPIRED
) JAMESTOWN (4) NY	(8) JAMESTOWN (9) 14701	DATE OF LAST CHANGE 11/14/85
) 14701	(10) REP: MICHAEL P. ALLETTE, V.P.	PRIOR CO ISSUE DATE 05/01/83
		PRIOR CO EXPIRATION DATE 05/01/88

PAGE 6
CONTINUED FROM PREVIOUS PAGE

ISSION (41)UTM-E: 150.6 KM. (42)STACK HEIGHT: 39 FT. (43)EXIT VELOCITY: 38.00 FT/SEC (44)SIC: 3429 (45)AGENCY-CODE-1:
POINT (46)UTM-N: 669.3 KM. (47)HT ABV STRUC: 15 FT. (48)EXIT FLOW: 17300.00 ACFM (49)CO FEE: $50.00 (50)AGENCY-CODE-2:
EF-20 (51)GRND ELEV: 1292 FT. (52)STK DIAM: 32X38 IN. (53)EXIT TEMP: 8 DEGR F (54)CO CONDITIONS: 1

IT I (55)HOURS/DAY: 19.0 (56)DAYS/YEAR: 252 (57)% OP BY SEASON: 25 25 25 25 (58)SOURCE CODE: A0000
(59)BLDG: PLATING AND WASTE TREATMENT (60)FLOOR NAME: 1 (61)RULE 1: 212.00 (62)RULE 2:

R ITAMINANTS	CAS NUMBER	ENV RATING	EMISSIONS ACTUAL	UNIT	HOM DET	PERMISSIBLE	% CONTROL EFFICIENCY	HRLY ACTUAL LBS/HOUR	ANNUAL EMISSIONS (LBS/YEAR) ACTUAL	10X	PERMISSIBLE
CHIC(VI) ACID	(085) 07738-94-5	(086) B	(087) .020	(088) 01	(089) 05	(090) .020	(091)	(092) .020	(093) 95.760	(094) 0	(095) 95.760
RIC ACID MIST	(096) 07697-37-2	(097) B	(098) .020	(099) 01	(100) 05	(101) .020	(102)	(103) .020	(104) 95.760	(105) 0	(106) 95.760
CHIC(VI) ACID	(107) 07738-94-5	(108) B	(109) .040	(110) 01	(111) 05	(112) .010	(113)	(114) .010	(115) 47.880	(116) 0	(117) 47.880
KEL SULFATE	(118) 07786-81-4	(119) B	(120) .030	(121) 01	(122) 05	(123) .030	(124)	(125) .030	(126)143.640	(127) 0	(128)143.640
UID MIST NEC	(129) NY105-00-0	(130) B	(131) .010	(132) 01	(133) 05	(134) .010	(135)	(136) .010	(137) 47.880	(138) 0	(139) 47.880

AUG 19 1988

)PRIOR COMMENTS (16)BY BARTZ (17)DATE 03/30/83
EQUIP CONFORMS
OPER LEVEL 100%
OPACITY 0%
COMPLAINTS 0
DISPOSAL OK

(18)CURRENT COMMENTS (19)BY Szymanski (20)DATE 7/12/88
1. In compliance
2.
3.
4.
5.

(27)LAST INSPECTION DATE 5/2/88
(21)INSPECTION STATUS 5
(22)DATE OF NEXT ACTION / /
(23)ISSUE DATE 5/01/88
(24)EXPIRATION DATE 2/01/92
(25)CO FEE

RM REP'S SIGNATURE: M. Little DATE: 8/19/88

ISSUING OFFICER'S SIGNATURE: Steven J. Doleski DATE: 8/24/88
REGIONAL PERMIT ADMINISTRATOR

N.Y.S. DEPARTMENT OF /IRONMENTAL CONSERVATION
DIVISION OF AIR

SEQI ID: 9-R-0117
RUN DATE: 12/07/87

60800 0298 EF-21 W I
CATION FAC EP

CERTIFICATE TO OPERATE AN AIR CONTAMINATION SOURCE
PROCESS, EXHAUST OR VENTILATION SYSTEM UNIT
RENEWAL APPLICATION

MAY 13 1988

OWNER	FACILITY	
WEBER-KNAPP	(6) WEBER-KNAPP CO	(11) CONFIDENTIAL STATUS NON-CONFIDNTL
441 CHANDLER	(7) 441 CHANDLER	(12) APPLICATION STATUS IN COMPLIANCE
JAMESTOWN (4) NY	(8) JAMESTOWN (9) 14701	DATE OF LAST CHANGE 11/16/83
14701	(10) REP: MICHAEL P. ALLETTE, V.P.	PRIOR CO ISSUE DATE 03/01/83
		PRIOR CO EXPIRATION DATE 05/01/88

SSION (41)UTM-E: 150.6 KM. (42)STACK HEIGHT: 39 FT. (43)EXIT VELOCITY: 11.40 FT/SEC (44)SIC: 3429 (45)AGENCY-CODE-1:
POINT (46)UTM-N: 669.3 KM. (47)HT ABV STRUC: 15 FT. (48)EXIT FLOW: 6150.00 ACFM (49)CO FEE: $50.00 (50)AGENCY-CODE-2:
EF-21 (51)GRND ELEV: 1292 FT. (52)STK DIAM: 38X34 IN. (53)EXIT TEMP: 70 DEGR F (54)CO CONDITIONS: 1 3

I (55)HOURS/DAY: 18.0 (56)DAYS/YEAR: 252 (57)% OP BY SEASON: 25 25 25 25 (58)SOURCE CODE: 1309 ELECTROPLATING
(59)BLDG: WASTE TREATMENT (60)FLOOR NAME: FIRST FLOOR (61)RULE 1: 212.00 (62)RULE 2:

CESS/UNIT (72)DESCRIPTION 1. STEEL BRASS ZINC CLEANING OPERATIONS CAUSTIC SOLUTION
CRIPTION

TROL (73)TYPE: 001 FAN (74)MFG: BUFFALO FORGE 600L (75)ID: 01 (76)DATE INSTALLED:
IPMENT (77)DISPOSAL METHOD: (78)USEFUL LIFE: 35 YEARS

TAMINANTS	CAS NUMBER	ENV RATING	EMISSIONS ACTUAL	UNIT	HOW DET	PERMISSIBLE	% CONTROL EFFICIENCY	HRLY ACTUAL LBS/HOUR	ANNUAL EMISSIONS (LBS/YEAR) ACTUAL	10%	PERMISSIBLE
UM CARBONATE	(085) 00497-19-8	(086) C	(087) .360	(088) 01	(089) 09	(090) .360	(091)	(092) .360	(093) 1632	(094) 0	(095) 1632

PRIOR COMMENTS (16)BY BARTZ (17)DATE 01/17/83	(18)CURRENT COMMENTS (19)BY Szymanski (20)DATE 5/2/88	(27)LAST INSPECTION DATE 1/19/87
EQUIP CONFORMS	1. in compliance	(21)INSPECTION STATUS 5
OPER LEVEL 100%	2.	(22)DATE OF NEXT ACTION / /
OPACITY 0%	3.	(23)ISSUE DATE 5/01/88
COMPLAINTS 0	4.	(24)EXPIRATION DATE 5/01/92
DISPOSAL OK	5.	(25)CO FEE

1 REP'S SIGNATURE: Carl H. Little DATE: 5/31/88

ISSUING OFFICER'S SIGNATURE: Steven J. Doleski DATE: 6/3/88
REGIONAL PERMIT ADMINISTRATOR

N.Y.S. DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF AIR

SEQ NO: 9-R-0101
RUN DATE: 12/07/87

60800 0298 EF-10 W I01
LOCATION FAC EP UNIT

CERTIFICATE TO OPERATE AN AIR CONTAMINATION SOURCE
PROCESS, EXHAUST OR VENTILATION SYSTEM UNIT
RENEWAL APPLICATION

OWNER	FACILITY	
WEBER-KNAPP	(6) WEBER-KNAPP CO	(11) CONFIDENTIAL STATUS NON-CONFIDNTL
441 CHANDLER	(7) 441 CHANDLER	(12) APPLICATION STATUS IN COMPLIANCE
JAMESTOWN (4) NY	(8) JAMESTOWN (9) 14701	DATE OF LAST CHANGE 11/09/83
14701	(10) REP: MICHAEL P. ALLETTE, V.P.	PRIOR CO ISSUE DATE 03/01/83
		PRIOR CO EXPIRATION DATE 05/01/88

SESSION (41)UTM-E: 150.6 KM. (42)STACK HEIGHT: 39 FT. (43)EXIT VELOCITY: 18.00 FT/SEC (44)SIC: 3429 (45)AGENCY-CODE-1:
POINT (46)UTM-N: 669.3 KM. (47)HT ABV STRUC: 15 FT. (48)EXIT FLOW: 13125.00 ACFM (49)CO FEE: $50.00 (50)AGENCY-CODE-2:
EF-10 (51)GRND ELEV: 1292 FT. (52)STK DIAM: 46X38 IN. (53)EXIT TEMP: 70 DEGR F (54)CO CONDITIONS: 1 3

T I01 (55)HOURS/DAY: 18.0 (56)DAYS/YEAR: 252 (57)% OP BY SEASON: 25 25 25 25 (58)SOURCE CODE: 1202 ALKALINE (CAUSTIC) D

OCESS/UNIT (72)DESCRIPTION 1. ELECTRO CLEANER OPERATION USING HOT ALKALINE
SCRIPTION 2. CLEANING SOLUTION

NTROL (73)TYPE: 001 FAN (74)MFG: BUFFALO FORGE 730 M (75)ID: 01 (76)DATE INSTALLED: 04/74
UIPMENT (77)DISPOSAL METHOD: (78)USEFUL LIFE: 20 YEARS

R			EMISSIONS				% CONTROL	HRLY ACTUAL	ANNUAL EMISSIONS (LBS/YEAR)	
NTAMINANTS		CAS NUMBER	ACTUAL	UNIT	HOW DET		EFFICIENCY	LBS/HOUR	ACTUAL	10%
DIUM CARBONATE	(085)	00497-19-8	(087) .150	(088) 01	(089) 05		(091)	(092) .150	(093) 680.400	(094) 0

CONTINUED ON NEXT PAGE

N.Y.S. DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF AIR

SEQNC NO: 9-R-0102
RUN DATE: 12/07/87

60800 0298 EF-10 W I02
ICATION FAC EP UNIT

CERTIFICATE TO OPERATE AN AIR CONTAMINATION SOURCE
PROCESS, EXHAUST OR VENTILATION SYSTEM UNIT
RENEWAL APPLICATION

OWNER	FACILITY	
WEBER-KNAPP	(6) WEBER-KNAPP CO	(11) CONFIDENTIAL STATUS NON-CONFIDNTL
441 CHANDLER	(7) 441 CHANDLER	(12) APPLICATION STATUS IN COMPLIANCE
JAMESTOWN (4) NY	(8) JAMESTOWN (9) 14701	DATE OF LAST CHANGE 11/09/83
14701	(10) REP: MICHAEL P. ALLETTE, V.P.	PRIOR CO ISSUE DATE 03/01/83
		PRIOR CO EXPIRATION DATE 05/01/88

PAGE 2
CONTINUED FROM PREVIOUS PAGE

SSION (41)UTM-E: 150.6 KM. (42)STACK HEIGHT: 39 FT. (43)EXIT VELOCITY: 18.00 FT/SEC (44)SIC: 3429 (45)AGENCY-CODE-1:
POINT (46)UTM-N: 669.3 KM. (47)HT ABV STRUC: 15 FT. (48)EXIT FLOW: 13125.00 ACFM (49)CO FEE: $50.00 (50)AGENCY-CODE-2:
EF-10 (51)GRND ELEV: 1292 FT. (52)STK DIAM: 46X38 IN. (53)EXIT TEMP: 70 DEGR F (54)CO CONDITIONS: 1 3

T I02 (55)HOURS/DAY: 18.0 (56)DAYS/YEAR: 252 (57)% OP BY SEASON: 25 25 25 25 (58)SOURCE CODE: 1202 ALKALINE (CAUSTIC) D

)CESS/UNIT (72)DESCRIPTION 1. SOAK CLEANING OPERATION USING ALKALINE SOLUTION
SCRIPTION

ITROL (73)TYPE: 001 FAN (74)MFG: BUFFALO FORGE 730 M (75)ID: 01 (76)DATE INSTALLED: 04/74
JIPMENT (77)DISPOSAL METHOD: (78)USEFUL LIFE: 20 YEARS

?			EMISSIONS						% CONTROL	HRLY ACTUAL	ANNUAL EMISSIONS (LBS/YEAR)			
ITAMINANTS		CAS NUMBER	ACTUAL		UNIT		HOW DET		EFFICIENCY	LBS/HOUR	ACTUAL		10^x	
)IUM CARBONATE	(085)	00497-19-8	(087)	.100	(088)	01	(089)	05	(091)	(092) .100	(093)	453.600	(094)	0

CONTINUED ON NEXT PAGE

N.Y.S. DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF AIR

SEQNC NO: 9-R-0103
RUN DATE: 12/07/87

60800 0298 EF-10 W I
CATION FAC EP

CERTIFICATE TO OPERATE AN AIR CONTAMINATION SOURCE
PROCESS, EXHAUST OR VENTILATION SYSTEM UNIT
RENEWAL APPLICATION

MAY 13 1988

OWNER	FACILITY	
WEBER-KNAPP	(6) WEBER-KNAPP CO	(11) CONFIDENTIAL STATUS NON-CONFIDNTL
441 CHANDLER	(7) 441 CHANDLER	(12) APPLICATION STATUS IN COMPLIANCE
JAMESTOWN (4) NY	(8) JAMESTOWN (9) 14701	DATE OF LAST CHANGE 11/09/83
14701	(10) REP: MICHAEL P. ALLETTE, V.P.	PRIOR CO ISSUE DATE 03/01/83
		PRIOR CO EXPIRATION DATE 05/01/88

PAGE 3
CONTINUED FROM PREVIOUS PAGE

SSION (41)UTM-E: 150.6 KM. (42)STACK HEIGHT: 39 FT. (43)EXIT VELOCITY: 18.00 FT/SEC (44)SIC: 3429 (45)AGENCY-CODE-1:
POINT (46)UTM-N: 669.3 KM. (47)HT ABV STRUC: 15 FT. (48)EXIT FLOW: 13125.00 ACFM (49)CO FEE: $50.00 (50)AGENCY-CODE-2:
EF-10 (51)GRND ELEV: 1292 FT. (52)STK DIAM: 46X38 IN. (53)EXIT TEMP: 70 DEGR F (54)CO CONDITIONS: 1 3

T I (55)HOURS/DAY: 18.0 (56)DAYS/YEAR: 252 (57)% OP BY SEASON: 25 25 25 25 (58)SOURCE CODE: A0000
(59)BLDG: PLATING WASTE (60)FLOOR NAME: MAIN (61)RULE 1: 212.00 (62)RULE 2:

ITROL (73)TYPE: 099 NONE
JIPMENT

ITAMINANTS	CAS NUMBER	ENV RATING	EMISSIONS ACTUAL	UNIT	HOW DET	PERMISSIBLE	% CONTROL EFFICIENCY	HRLY ACTUAL LBS/HOUR	ANNUAL EMISSIONS (LBS/YEAR) ACTUAL	10×	PERMISSIBLE
UM CARBONATE	(118) 00497-19-8	(119) C	(120) .250	(121) 01	(122) 05	(123) 1250	(124)	(125) .250	(126) 1134	(127) 0	(128) 1134

)PRIOR COMMENTS (16)BY BARTZ (17)DATE 01/17/83
EQUIP CONFORMS
OPER LEVEL 100%
OPACITY 0%
COMPLAINTS 0
DISPOSAL OK

(18)CURRENT COMMENTS (19)BY Szymanski (20)DATE 5/2/88
1. In compliance
2.
3.
4.
5.

(27)LAST INSPECTION DATE 1/19/87
(21)INSPECTION STATUS 5
(22)DATE OF NEXT ACTION / /
(23)ISSUE DATE 5/01/88
(24)EXPIRATION DATE 5/01/92
(25)CO FEE

M REP'S SIGNATURE: Carl H. Little DATE: 5/31/88

ISSUING OFFICER'S SIGNATURE: Stephen J. Doleski DATE: 6/3/88
REGIONAL PERMIT ADMINISTRATOR

N.Y.S. DEPARTMENT OF VIRONMENTAL CONSERVATION
DIVISION OF AIR

SE\ NO: 9-R-0104
RUN DATE: 12/07/87

60800 0298 EF-13 W I01
)CATION FAC EP UNIT

CERTIFICATE TO OPERATE AN AIR CONTAMINATION SOURCE
PROCESS, EXHAUST OR VENTILATION SYSTEM UNIT
RENEWAL APPLICATION

OWNER	FACILITY	
WEBER-KNAPP	(6) WEBER-KNAPP CO	(11) CONFIDENTIAL STATUS NON-CONFIDNTL
441 CHANDLER	(7) 441 CHANDLER	(12) APPLICATION STATUS IN COMPLIANCE
JAMESTOWN (4) NY	(8) JAMESTOWN (9) 14701	DATE OF LAST CHANGE 11/09/83
14701	(10) REP: MICHAEL P. ALLETTE, V.P.	PRIOR CO ISSUE DATE 03/01/83
		PRIOR CO EXPIRATION DATE 05/01/88

SSION (41)UTM-E: 150.6 KM. (42)STACK HEIGHT: 39 FT. (43)EXIT VELOCITY: 28.00 FT/SEC (44)SIC: 3429 (45)AGENCY-CODE-1:
POINT (46)UTM-N: 669.3 KM. (47)HT ABV STRUC: 15 FT. (48)EXIT FLOW: 10820.00 ACFM (49)CO FEE: $50.00 (50)AGENCY-CODE-2:
EF-13 (51)GRND ELEV: 1292 FT. (52)STK DIAM: 24X38 IN. (53)EXIT TEMP: 70 DEGR F (54)CO CONDITIONS: 1 3

T I01 (55)HOURS/DAY: 18.0 (56)DAYS/YEAR: 252 (57)% OP BY SEASON: 25 25 25 25 (58)SOURCE CODE: 1309 ELECTROPLATING

CESS/UNIT (72)DESCRIPTION 1. FOUR STATION CYANIDE COPPER AND BRASS PLATING
CRIPTION 2. OPERATION ONE TANK

ITROL (73)TYPE: 001 FAN (74)MFG: BUFFALO FORGE (75)ID: 02 (76)DATE INSTALLED:
IPMENT (77)DISPOSAL METHOD: (78)USEFUL LIFE: 35 YEARS

ITAMINANTS		CAS NUMBER	EMISSIONS ACTUAL		UNIT		HOW DET		% CONTROL EFFICIENCY	HRLY ACTUAL LBS/HOUR		ANNUAL EMISSIONS (LBS/YEAR) ACTUAL		10x
IONIA	(085)	07664-41-7	(087)	.015	(088)	01	(089)	09	(091)	(092)	.150	(093)	680.400	(094) 0
NIDE (8CI9CI)	(096)	00057-12-5	(098)	.015	(099)	01	(100)	09	(102)	(103)	.020	(104)	680.000	(105) 0

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N.Y.S. DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF AIR

SEQ NO: 9-R-0105
RUN DATE: 12/07/87

60800 0298 EF-13 W I02
CATION FAC EP UNIT

CERTIFICATE TO OPERATE AN AIR CONTAMINATION SOURCE
PROCESS, EXHAUST OR VENTILATION SYSTEM UNIT
RENEWAL APPLICATION

OWNER	FACILITY	
WEBER-KNAPP	(6) WEBER-KNAPP CO	(11) CONFIDENTIAL STATUS NON-CONFIDNTL
441 CHANDLER	(7) 441 CHANDLER	(12) APPLICATION STATUS IN COMPLIANCE
JAMESTOWN (4) NY	(8) JAMESTOWN (9) 14701	DATE OF LAST CHANGE 11/09/83
14701	(10) REP: MICHAEL P. ALLETTE, V.P.	PRIOR CO ISSUE DATE 03/01/83
		PRIOR CO EXPIRATION DATE 05/01/88

PAGE 2
CONTINUED FROM PREVIOUS PAGE

SSION (41)UTM-E: 150.6 KM. (42)STACK HEIGHT: 39 FT. (43)EXIT VELOCITY: 28.00 FT/SEC (44)SIC: 3429 (45)AGENCY-CODE-1:
POINT (46)UTM-N: 669.3 KM. (47)HT ABV STRUC: 15 FT. (48)EXIT FLOW: 10820.00 ACFM (49)CO FEE: $50.00 (50)AGENCY-CODE-2:
EF-13 (51)GRND ELEV: 1292 FT. (52)STK DIAM: 24X38 IN. (53)EXIT TEMP: 70 DEGR F (54)CO CONDITIONS: 1 3

T I02 (55)HOURS/DAY: 18.0 (56)DAYS/YEAR: 252 (57)% OP BY SEASON: 25 25 25 25 (58)SOURCE CODE: 1309 ELECTROPLATING

CESS/UNIT (72)DESCRIPTION 1. CYANIDE CHEMICAL ADDITION TANK
CRIPTION 2. BRASS PLATING OPERATION ONE TANK

TROL (73)TYPE: 001 FAN (74)MFG: BUFFALO FORGE (75)ID: 02 (76)DATE INSTALLED:
IPMENT (77)DISPOSAL METHOD: (78)USEFUL LIFE: 35 YEARS

ITAMINANTS		CAS NUMBER	EMISSIONS ACTUAL		UNIT		HON DET		% CONTROL EFFICIENCY		HRLY ACTUAL LBS/HOUR		ANNUAL EMISSIONS (LBS/YEAR) ACTUAL		10*	
ER INORGANIC HAL	(085)	NY190-00-0	(087)	.260	(088)	01	(089)	09	(091)		(092)	.260	(093)	65.520	(094)	0
NIDE COMPOUNDS NE	(096)	NY805-00-0	(098)		(099)	94	(100)	09	(102)		(103)	.050	(104)	226.800	(105)	0

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N.Y.S. DEPARTMENT OF VIRONMENTAL CONSERVATION
DIVISION OF AIR

SEQ... NO: 9-R-0106
RUN DATE: 12/07/87

60800 0298 EF-13 W I
CATION FAC EP

CERTIFICATE TO OPERATE AN AIR CONTAMINATION SOURCE
PROCESS, EXHAUST OR VENTILATION SYSTEM UNIT
RENEWAL APPLICATION

MAY 13 1988

OWNER	FACILITY	
WEBER-KNAPP	(6) WEBER-KNAPP CO	(11) CONFIDENTIAL STATUS NON-CONFIDNTL
441 CHANDLER	(7) 441 CHANDLER	(12) APPLICATION STATUS IN COMPLIANCE
JAMESTOWN (4) NY	(8) JAMESTOWN (9) 14701	DATE OF LAST CHANGE 11/09/83
14701	(10) REP: MICHAEL P. ALLETTE, V.P.	PRIOR CO ISSUE DATE 03/01/83
		PRIOR CO EXPIRATION DATE 05/01/88

PAGE 3
CONTINUED FROM PREVIOUS PAGE

SION	(41)UTM-E: 150.6 KM.	(42)STACK HEIGHT: 39 FT.	(43)EXIT VELOCITY: 28.00 FT/SEC	(44)SIC: 3429	(45)AGENCY-CODE-1:
OINT	(46)UTM-N: 669.3 KM.	(47)HT ABV STRUC: 15 FT.	(48)EXIT FLOW: 10820.00 ACFM	(49)CO FEE: $50.00	(50)AGENCY-CODE-2:
F-13	(51)GRND ELEV: 1292 FT.	(52)STK DIAM: 24X38 IN.	(53)EXIT TEMP: 70 DEGR F	(54)CO CONDITIONS: 1 3	
I	(55)HOURS/DAY: 18.0	(56)DAYS/YEAR: 252	(57)% OP BY SEASON: 25 25 25 25	(58)SOURCE CODE: A0000	
	(59)BLDG: PLATING WASTE	(60)FLOOR NAME: FIRST FLOOR		(61)RULE 1: 212.00	(62)RULE 2:

AMINANTS	CAS NUMBER	ENV RATING	EMISSIONS ACTUAL	UNIT	HOW DET	EMISSIONS PERMISSIBLE	% CONTROL EFFICIENCY	HRLY ACTUAL LBS/HOUR	ANNUAL EMISSIONS (LBS/YEAR) ACTUAL	10×	PERMISSIBLE
DE (8CI9CI)	(085) 00057-12-5	(086) B	(087) .275	(088) 20	(089) 05	(090) .275	(091)	(092) .275	(093) 90.720	(094) 0	(095) 21034
IA	(096) 07664-41-7	(097) A	(098) .275	(099) 01	(100) 05	(101) .275	(102)	(103) .275	(104) 1247	(105) 0	(106) 1247

RIOR COMMENTS (16)BY BARTZ (17)DATE 01/17/83	(18)CURRENT COMMENTS (19)BY Szymanski (20)DATE 5/2/88	(27)LAST INSPECTION DATE 1/9/87
QUIP CONFORMS	1. in compliance	(21)INSPECTION STATUS 5
ER LEVEL 100%	2.	(22)DATE OF NEXT ACTION / /
ACITY 0%	3.	(23)ISSUE DATE 5/01/88
MPLAINTS 0	4.	(24)EXPIRATION DATE 5/01/92
SPOSAL OK	5.	(25)CO FEE

REP'S SIGNATURE: Carl H. Little DATE: 5/31/88

ISSUING OFFICER'S SIGNATURE: Stefan J. Doleski DATE: 6/3/88

REGIONAL PERMIT ADMINISTRATOR

JL 4 1988

SEQNC NO: 9-X-0207
RUN DATE: 05/02/88

N.Y.S. DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF AIR

0800 0298 EF-14 W I
CATION FAC EP

CERTIFICATE TO OPERATE AN AIR CONTAMINATION SOURCE
PROCESS, EXHAUST OR VENTILATION SYSTEM UNIT
EXPIRATION NOTICE / RENEWAL APPLICATION

OWNER	FACILITY	
WEBER-KNAPP	(6) WEBER-KNAPP CO	(11) CONFIDENTIAL STATUS NON-CONFIDNTL
441 CHANDLER	(7) 441 CHANDLER	(12) APPLICATION STATUS PC/CO EXPIRED
JAMESTOWN (4) NY	(8) JAMESTOWN (9) 14701	DATE OF LAST CHANGE 11/14/85
14701	(10) REP: MICHAEL P. ALLETTE, V.P.	PRIOR CO ISSUE DATE 05/01/83
		PRIOR CO EXPIRATION DATE 05/01/88

SION (41)UTM-E: 150.6 KM. (42)STACK HEIGHT: 39 FT. (43)EXIT VELOCITY: 18.10 FT/SEC (44)SIC: 3429 (45)AGENCY-CODE-1:
OINT (46)UTM-N: 669.3 KM. (47)HT ABV STRUC: 15 FT. (48)EXIT FLOW: 8600.00 ACFM (49)CO FEE: $50.00 (50)AGENCY-CODE-2:
F-14 (51)GRND ELEV: 1292 FT. (52)STK DIAM: 3038 IN. (53)EXIT TEMP: 8 DEGR F (54)CO CONDITIONS: 1

I (55)HOURS/DAY: 18.0 (56)DAYS/YEAR: 252 (57)% OP BY SEASON: 25 25 25 25 (58)SOURCE CODE: 1309 ELECTROPLATING
(59)BLDG: PLATING & WASTE TREATMENT (60)FLOOR NAME: (61)RULE 1: 212.00 (62)RULE 2:

ESS/UNIT (72)DESCRIPTION 1. 5 STATION CYANIDE BRASS PLATING
RIPTION 2. OPERATION, ONE TANK.

ROL (73)TYPE: 001 FAN (74)MFG: BUFFALO FORGE 490J (75)ID: 01 (76)DATE INSTALLED:
IPMENT (77)DISPOSAL METHOD: (78)USEFUL LIFE: 15 YEARS

CONTAMNTS	CAS NUMBER	ENV RATING	EMISSIONS ACTUAL	EMISSIONS UNIT	EMISSIONS HON DET	EMISSIONS PERMISSIBLE	% CONTROL EFFICIENCY	HRLY ACTUAL LBS/HOUR	ANNUAL EMISSIONS (LBS/YEAR) ACTUAL	10X	PERMISSIBL
IDE (SOLUBLE)	(085) 00057-12-5	(086) B	(087) .010	(088) 01	(089) 05	(090) .010	(091)	(092) .010	(093) 45.360	(094) 0	(095) 45.360
IDE COMPOUNDS NE	(096) NY805-00-0	(097) B	(098) .020	(099) 01	(100) 05	(101) .020	(102)	(103) .020	(104) 90.720	(105) 0	(106) 90.720
. ALIPHATIC NIT	(107) NY039-00-0	(108) B	(109) .020	(110) 21	(111) 05	(112) 5.000	(113)	(114) .020	(115) 90.720	(116) 0	(117) 22680

AUG 19 1988

PRIOR COMMENTS (16)BY BARTZ (17)DATE 03/31/83
EQUIP CONFORMS
OPER LEVEL 100%
OPACITY 0%
COMPLAINTS 0
DISPOSAL OK

(18)CURRENT COMMENTS (19)BY Saymansky (20)DATE 7/12/88
1. In compliance
2.
3.
4.
5.

(27)LAST INSPECTION DATE 5/2/88
(21)INSPECTION STATUS 5
(22)DATE OF NEXT ACTION / /
(23)ISSUE DATE 5/01/88
(24)EXPIRATION DATE 5/01/93
(25)CO FEE

REP'S SIGNATURE) DATE: 8/16/88

ISSUING OFFICER'S SIGNATURE: Steven J. Doleski DATE: 8/24/88

L 4 1988

N.Y.S. DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF AIR

SEQNC NO: 9-X-0209
RUN DATE: 05/02/86

0800 0298 EF-16 W I
CATION FAC EP

CERTIFICATE TO OPERATE AN AIR CONTAMINATION SOURCE
PROCESS, EXHAUST OR VENTILATION SYSTEM UNIT
EXPIRATION NOTICE / RENEWAL APPLICATION

OWNER	FACILITY	
WEBER-KNAPP	(6) WEBER-KNAPP CO	(11) CONFIDENTIAL STATUS NON-CONFIDNTL
441 CHANDLER	(7) 441 CHANDLER	(12) APPLICATION STATUS PC/CO EXPIRED
JAMESTOWN (4) NY	(8) JAMESTOWN (9) 14701	DATE OF LAST CHANGE 11/14/85
14701	(10) REP: MICHAEL P. ALLETTE, V.P.	PRIOR CO ISSUE DATE 05/01/83
		PRIOR CO EXPIRATION DATE 05/01/88

SION (41)UTM-E: 150.6 KM. (42)STACK HEIGHT: 37 FT. (43)EXIT VELOCITY: 23.00 FT/SEC (44)SIC: 3429 (45)AGENCY-CODE-1:
OINT (46)UTM-N: 669.3 KM. (47)HT ABV STRUC: 13 FT. (48)EXIT FLOW: 9900.00 ACFM (49)CO FEE: $50.00 (50)AGENCY-CODE-2:
F-16 (51)GRND ELEV: 1292 FT. (52)STK DIAM: 38X28 IN. (53)EXIT TEMP: 8 DEGR F (54)CO CONDITIONS: 1

I (55)HOURS/DAY: 18.0 (56)DAYS/YEAR: 252 (57)% OP BY SEASON: 25 25 25 25 (58)SOURCE CODE: 1202 ALKALINE (CAUSTIC) D
(59)BLDG: PLATING & WASTE TREATMENT (60)FLOOR NAME: 1 (61)RULE 1: 212.00 (62)RULE 2:

ESS/UNIT (72)DESCRIPTION 1. PREPLATING ACTIVATOR DIP OPERATION
RIPTION 2. ON PARTS FOR CLEANING

ROL (73)TYPE: 099 NONE
NENT

CONTAMINANTS	CAS NUMBER	ENV RATING	EMISSIONS ACTUAL	UNIT	NON DET	PERMISSIBLE	% CONTROL EFFICIENCY	HRLY ACTUAL LBS/HOUR	ANNUAL EMISSIONS (LBS/YEAR) ACTUAL	10Y	PERMISSIBLE
ICKEL CHLORIDE	(085) 07647-01-0	(086) B	(087) .030	(088) 01	(089) 05	(090) .030	(091)	(092) .030	(093)136.080	(094) 0	(095)136.080

AUG 19 1988

PRIOR COMMENTS (16)BY BARTZ (17)DATE 03/31/83
EQUIP CONFORMS
OPER LEVEL 100%
OPACITY 0%
COMPLAINTS 0
DISPOSAL OK

(18)CURRENT COMMENTS (19)BY Szymanski (20)DATE 7/12/88
1. in compliance
2.
3.
4.
5.

(27)LAST INSPECTION DATE 7/12/88
(21)INSPECTION STATUS 5
(22)DATE OF NEXT ACTION / /
(23)ISSUE DATE 5/01/88
(24)EXPIRATION DATE 3/01/92
(25)CO FEE

REP'S SIGNATURE: Michael Allette DATE: 8/19/88

ISSUING OFFICER'S SIGNATURE: Steven J. Doleski DATE: 8/24/88

N.Y.S. DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF AIR

SEQNC NO: 9-X-0220
RUN DATE: 05/02/88

;0800 0298 EF-19 W I01
:ATION FAC EP UNIT

CERTIFICATE TO OPERATE AN AIR CONTAMINATION SOURCE
PROCESS, EXHAUST OR VENTILATION SYSTEM UNIT
EXPIRATION NOTICE / RENEWAL APPLICATION

O W N E R	F A C I L I T Y	
WEBER-KNAPP	(6) WEBER-KNAPP CO	(11) CONFIDENTIAL STATUS NON-CONFIDNTL
441 CHANDLER	(7) 441 CHANDLER	(12) APPLICATION STATUS PC/CO EXPIRED
JAMESTOWN (4) NY	(8) JAMESTOWN (9) 14701	DATE OF LAST CHANGE 11/16/83
14701	(10) REP: MICHAEL P. ALLETTE, V.P.	PRIOR CO ISSUE DATE 05/01/83
		PRIOR CO EXPIRATION DATE 05/01/88

:SION	(41)UTM-E: 150.6 KM.	(42)STACK HEIGHT: 39 FT.	(43)EXIT VELOCITY: 23.00 FT/SEC	(44)SIC: 3429	(45)AGENCY-CODE-1:	
:OINT	(46)UTM-N: 669.3 KM.	(47)HT ABV STRUC: 15 FT.	(48)EXIT FLOW: 11000.00 ACFM	(49)CO FEE: $50.00	(50)AGENCY-CODE-2:	
:F-19	(51)GRND ELEV: 1292 FT.	(52)STK DIAM: 32X38 IN.	(53)EXIT TEMP: 8 DEGR F	(54)CO CONDITIONS: 1		
I01	(55)HOURS/DAY: 18.0	(56)DAYS/YEAR: 252	(57)% OP BY SEASON: 25 25 25 25	(58)SOURCE CODE: 1309	ELECTROPLATING	
:ESS/UNIT :RIPTION	(72)DESCRIPTION 1. NICKEL PLATING OPERATIONS					
:ROL :PMENT	(73)TYPE: 001 FAN	(74)MFG: BUFFALO FORGE 540K		(75)ID: 01	(76)DATE INSTALLED: 03/76	
		(77)DISPOSAL METHOD:			(78)USEFUL LIFE: 30 YEARS	

:NTAMINANTS	CAS NUMBER	EMISSIONS ACTUAL	EMISSIONS UNITT	EMISSIONS HOM DET	% CONTROL EFFICIENCY	HRLY ACTUAL LBS/HOUR	ANNUAL EMISSIONS (LBS/YEAR) ACTUAL	ANNUAL EMISSIONS (LBS/YEAR) IDE
:EL SULFATE	(085) 07786-81-4	(087) .010	(088) 01	(089) 05	(091)	(092) .010	(093) 45.360	(094) 0

CONTINUED ON NEXT PAGE

N.Y.S. DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF AIR

SEQNC NO: 9-X-0221
RUN DATE: 05/02/88

,0800 0298 EF-19 W I02
CATION FAC EP UNIT

CERTIFICATE TO OPERATE AN AIR CONTAMINATION SOURCE
PROCESS, EXHAUST OR VENTILATION SYSTEM UNIT
EXPIRATION NOTICE / RENEWAL APPLICATION

OWNER	FACILITY	
WEBER-KNAPP	(6) WEBER-KNAPP CO	(11) CONFIDENTIAL STATUS NON-CONFIDNTL
441 CHANDLER	(7) 441 CHANDLER	(12) APPLICATION STATUS PC/CO EXPIRED
JAMESTOWN (4) NY	(8) JAMESTOWN (9) 14701	DATE OF LAST CHANGE 11/16/83
14701	(10) REP: MICHAEL P. ALLETTE, V.P.	PRIOR CO ISSUE DATE 05/01/83
		PRIOR CO EXPIRATION DATE 05/01/88

PAGE 2
CONTINUED FROM PREVIOUS PAGE

SION (41)UTM-E: 150.6 KM. (42)STACK HEIGHT: 39 FT. (43)EXIT VELOCITY: 23.00 FT/SEC (44)SIC: 3429 (45)AGENCY-CODE-1:
OINT (46)UTM-N: 669.3 KM. (47)HT ABV STRUC: 15 FT. (48)EXIT FLOW: 11000.00 ACFM (49)CO FEE: $50.00 (50)AGENCY-CODE-2:
F-19 (51)GRND ELEV: 1292 FT. (52)STK DIAM: 32X38 IN. (53)EXIT TEMP: 8 DEGR F (54)CO CONDITIONS: 1

I02 (55)HOURS/DAY: 18.0 (56)DAYS/YEAR: 252 (57)% OP BY SEASON: 25 25 25 25 (58)SOURCE CODE: 1309 ELECTROPLATING

ESS/UNIT (72)DESCRIPTION 1. BLACK CHROMATE CONVERSION COATING FOR ZINC PLATED WORK
RIPTION 2. DIPPING IN 20 GALLON CERAMIC CROCKS

ROL (73)TYPE: 099 NONE
PMENT

CONTAMINATE		CAS NUMBER	EMISSIONS ACTUAL	UNIT	HON DET	% CONTROL EFFICIENCY	HRLY ACTUAL LBS/HOUR	ANNUAL EMISSIONS (LBS/YEAR) ACTUAL	10%
NIC(VI) ACID	(085)	07738-94-5	(087) .010	(088) 01	(089) 05	(091)	(092) .010	(093) 45.360	(094) 0

CONTINUED ON NEXT PAGE

IL 4 1500

N.Y.S. DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF AIR

SEQNC NO: 9-X-0223
RUN DATE: 05/02/88

60800 0298 EF-19 W I
CATION FAC EP

CERTIFICATE TO OPERATE AN AIR CONTAMINATION SOURCE
PROCESS, EXHAUST OR VENTILATION SYSTEM UNIT
EXPIRATION NOTICE / RENEWAL APPLICATION

OWNER	FACILITY	
WEBER-KNAPP	(6) WEBER-KNAPP CO	(11) CONFIDENTIAL STATUS NON-CONFIDNTL
441 CHANDLER	(7) 441 CHANDLER	(12) APPLICATION STATUS PC/CO EXPIRED
JAMESTOWN (4) NY	(8) JAMESTOWN (9) 14701	DATE OF LAST CHANGE 11/16/83
14701	(10) REP: MICHAEL P. ALLETTE, V.P.	PRIOR CO ISSUE DATE 05/01/83
		PRIOR CO EXPIRATION DATE 05/01/88

PAGE 4
CONTINUED FROM PREVIOUS PAGE

SSION (41)UTM-E: 150.6 KM. (42)STACK HEIGHT: 39 FT. (43)EXIT VELOCITY: 23.00 FT/SEC (44)SIC: 3429 (45)AGENCY-CODE-1:
POINT (46)UTM-N: 669.3 KM. (47)HT ABV STRUC: 15 FT. (48)EXIT FLOW: 11000.00 ACFM (49)CO FEE: $50.00 (50)AGENCY-CODE-2:
EF-19 (51)GRND ELEV: 1292 FT. (52)STK DIAM: 32X38 IN. (53)EXIT TEMP: 8 DEGR F (54)CO CONDITIONS: 1

I I (55)HOURS/DAY: 18.0 (56)DAYS/YEAR: 252 (57)% OP BY SEASON: 25 25 25 25 (58)SOURCE CODE: A0000
(59)BLDG: PLATING & WASTE TREATMENT (60)FLOOR NAME: MAIN FLOOR (61)RULE 1: 212.00 (62)RULE 2:

TAMINANTS	CAS NUMBER	ENV RATING	EMISSIONS ACTUAL	UNIT	HOW DET	PERMISSIBLE	% CONTROL EFFICIENCY	HRLY ACTUAL LBS/HOUR	ANNUAL EMISSIONS (LBS/YEAR) ACTUAL	10*	PERMISSIBLE
EL SULFATE	(085) 07786-81-4	(086) B	(087) .010	(088) 01	(089) 05	(090) .010	(091)	(092) .010	(093) 45.360	(094) 0	(095) 45.360
ID MIST MEC	(096) NY105-00-0	(097) B	(098)7738945	(099) 01	(100) 05	(101) .010	(102)	(103) .010	(104) 45.360	(105) 0	(106) 45.360
URIC ACID	(107) 07664-93-9	(108) B	(109) .570	(110) 01	(111) 05	(112) .570	(113)	(114) .570	(115) 2585	(116) 0	(117) 2585

RECEIVED
AUG 19 1988
Weber-Knapp Co.

PRIOR COMMENTS (16)BY BARTZ (17)DATE 03/30/83
EQUIP CONFORMS
OPER LEVEL 100%
OPACITY 0%
COMPLAINTS 0
DISPOSAL OK

(18)CURRENT COMMENTS (19)BY Szymanski (20)DATE 7/12/88
1. in compliance
2.
3.
4.
5.

(27)LAST INSPECTION DATE 5/2/88
(21)INSPECTION STATUS 5
(22)DATE OF NEXT ACTION / /
(23)ISSUE DATE 5/01/88
(24)EXPIRATION DATE 5/01/92
(25)CO FEE

1 REP'S SIGNATURE: [signature] DATE: 8/19/88

ISSUING OFFICER'S SIGNATURE: Steven J. Doleski DATE: 8/24/88
REGIONAL PERMIT ADMINISTRATOR

N.Y.S. DEPARTMENT OF E..IRONMENTAL CONSERVATION
DIVISION OF AIR

SEQNC NO: 9-R-0118
RUN DATE: 12/07/87

0800 0298 EF-25 W I
CATION FAC EP

CERTIFICATE TO OPERATE AN AIR CONTAMINATION SOURCE
PROCESS, EXHAUST OR VENTILATION SYSTEM UNIT
RENEWAL APPLICATION

MAY 13 1988

OWNER	FACILITY	
WEBER-KNAPP	(6) WEBER-KNAPP CO	(11) CONFIDENTIAL STATUS NON-CONFIDNTL
441 CHANDLER	(7) 441 CHANDLER	(12) APPLICATION STATUS IN COMPLIANCE
JAMESTOWN (4) NY	(8) JAMESTOWN (9) 14701	DATE OF LAST CHANGE 06/14/83
14701	(10) REP: MICHAEL P. ALLETTE, V.P.	PRIOR CO ISSUE DATE 05/01/83
		PRIOR CO EXPIRATION DATE 05/01/88

SION (41)UTM-E: 150.6 KM. (42)STACK HEIGHT: 35 FT. (43)EXIT VELOCITY: 17.00 FT/SEC (44)SIC: 3429 (45)AGENCY-CODE-1:
OINT (46)UTM-N: 669.3 KM. (47)HT ABV STRUC: 11 FT. (48)EXIT FLOW: 3500.00 ACFM (49)CO FEE: $50.00 (50)AGENCY-CODE-2:
F-25 (51)GRND ELEV: 1292 FT. (52)STK DIAM: 25 IN. (53)EXIT TEMP: 8 DEGR F (54)CO CONDITIONS: 1

I (55)HOURS/DAY: 9.0 (56)DAYS/YEAR: 252 (57)% OP BY SEASON: 25 25 25 25 (58)SOURCE CODE: 1308 OTHER SURFACE COATIN
(59)BLDG: PLATING & WASTE TRTMNT (60)FLOOR NAME: 1 (61)RULE 1: 212.00 (62)RULE 2:

ESS/UNIT (72)DESCRIPTION 1. BULK METAL PARTS PLACED IN BASKET AND
RIPTION 2. DIPPED IN TUB NITROCELLULOSE LACQUER
3. AND, AFTER DRAINING OFF,
4. PARTS DRIED IN ONE OF TWO SPIN DRYERS.

ROL (73)TYPE: 001 FAN (74)MFG: BUFFALO FORGE 300G (75)ID: 01 (76)DATE INSTALLED: 09/74
PMENT (77)DISPOSAL METHOD: (78)USEFUL LIFE: 15 YEARS

AMINANTS	CAS NUMBER	ENV RATING	EMISSIONS ACTUAL	UNIT	HOW DET	PERMISSIBLE	% CONTROL EFFICIENCY	HRLY ACTUAL LBS/HOUR	ANNUAL EMISSIONS (LBS/YEAR) ACTUAL	10*	PERMISSIBLE
NE	(035) 00108-88-3	(086) C	(087) 5.350	(088) 01	(089) 09	(090) 5.350	(091)	(092) 5.350	(093) 12133	(094) 0	(095) 12133
AROMATIC KETO	(096) NY380-00-0	(097) C	(098) 2.200	(099) 01	(100) 09	(101) 2.200	(102)	(103) 2.200	(104) 4989	(105) 0	(106) 4989
ROMATIC ALCOHOL	(107) NY350-00-0	(108) C	(109) 1.100	(110) 01	(111) 09	(112) 1.100	(113)	(114) 1.100	(115) 2494	(116) 0	(117) 2494

RIOR COMMENTS (16)BY BARTZ (17)DATE 03/31/83
QUIP CONFORMS
PER LEVEL 100%
PACITY 0%
OMPLAINTS 0
ISPOSAL OK

(18)CURRENT COMMENTS (19)BY Szymanowski (20)DATE 5/2/88
1. in compliance
2.
3.
4.
5.

(27)LAST INSPECTION DATE 1/19/87
(21)INSPECTION STATUS 5
(22)DATE OF NEXT ACTION / /
(23)ISSUE DATE 5/10/88
(24)EXPIRATION DATE 5/01/93
(25)CO FEE

REP'S SIGNATURE: Paul H. Little DATE: 5/31/88

ISSUING OFFICER'S SIGNATURE: Stanley J. Doleski DATE: 6/3/88
REGIONAL PERMIT ADMINISTRATOR

N.Y.S. DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF AIR

SEQNC NO: 9-R-0120
RUN DATE: 12/07/87

0800 0298 EF-27 W I

ATION FAC EP

CERTIFICATE TO OPERATE AN AIR CONTAMINATION SOURCE
PROCESS, EXHAUST OR VENTILATION SYSTEM UNIT
RENEWAL APPLICATION

MAY 13 1988

OWNER	FACILITY	
WEBER-KNAPP	(6) WEBER-KNAPP CO	(11) CONFIDENTIAL STATUS NON-CONFIDNTL
441 CHANDLER	(7) 441 CHANDLER	(12) APPLICATION STATUS IN COMPLIANCE
JAMESTOWN (4) NY	(8) JAMESTOWN (9) 14701	DATE OF LAST CHANGE 06/14/83
14701	(10) REP: MICHAEL P. ALLETTE, V.P.	PRIOR CO ISSUE DATE 05/01/83
		PRIOR CO EXPIRATION DATE 05/01/88

SION (41)UTM-E: 150.6 KM. (42)STACK HEIGHT: 35 FT. (43)EXIT VELOCITY: 20.00 FT/SEC (44)SIC: 3429 (45)AGENCY-CODE-1:
DINT (46)UTM-N: 669.3 KM. (47)HT ABV STRUC: 11 FT. (48)EXIT FLOW: 6600.00 ACFM (49)CO FEE: $50.00 (50)AGENCY-CODE-2:
F-27 (51)GRND ELEV: 1292 FT. (52)STK DIAM: 20X40 IN. (53)EXIT TEMP: 8 DEGR F (54)CO CONDITIONS: 1

I (55)HOURS/DAY: 18.0 (56)DAYS/YEAR: 252 (57)% OP BY SEASON: 25 25 25 25 (58)SOURCE CODE: 1206 WASHING AND CLEANING
(59)BLDG: PLATING & WASTE TREATMENT (60)FLOOR NAME: 1 (61)RULE 1: 212.00 (62)RULE 2:

ESS/UNIT (72)DESCRIPTION 1. NITRIC & CRHOMATE RINSE TANK OPERATIONS
RIPTION

ROL (73)TYPE: 001 FAN (74)MFG: BUFFALO FORGE 490H (75)ID: 01 (76)DATE INSTALLED: 03/76
PMENT (77)DISPOSAL METHOD: (78)USEFUL LIFE: 30 YEARS

ANTIANTS	CAS NUMBER	ENV RATING	EMISSIONS ACTUAL	UNIT	HOW DET	PERMISSIBLE	% CONTROL EFFICIENCY	HRLY ACTUAL LBS/HOUR	ANNUAL EMISSIONS (LBS/YEAR) ACTUAL	IDX	PERMISSIBLE
D MIST NEC	(085) NY105-00-0	(086) B	(087) .010	(088) 01	(089) 05	(090) .010	(091)	(092) .010	(093) 45.360	(094) 0	(095) 45.360
D MIST NEC	(096) NY105-00-0	(097) B	(098)	(099) 94	(100)	(101)	(102)	(103) .001	(104) 4.536	(105) 0	(106) 4.536

RIOR COMMENTS (16)BY BARTZ (17)DATE 03/31/83
QUIP CONFORMS
PER LEVEL 100%
PACITY 0%
OMPLAINTS 0
ISPOSAL OK

(18)CURRENT COMMENTS (19)BY Szymanski (20)DATE 5/2/88
1. In compliance
2.
3.
4.
5.

(27)LAST INSPECTION DATE 1/19/87
(21)INSPECTION STATUS 5
(22)DATE OF NEXT ACTION / /
(23)ISSUE DATE 5/10/88
(24)EXPIRATION DATE 5/01/92
(25)CO FEE

REP'S SIGNATURE: Gary N. Little DATE: 5/31/88

ISSUING OFFICER'S SIGNATURE: Steven J. Doleski DATE: 6/3/88
REGIONAL PERMIT ADMINISTRATOR

N.Y.S. DEPARTMENT OF E IRONMENTAL CONSERVATION
DIVISION OF AIR

SEQNC .J: 9-R-0124
RUN DATE: 12/07/87

)800 0298 EF-29 W I
ATION FAC EP

CERTIFICATE TO OPERATE AN AIR CONTAMINATION SOURCE
PROCESS, EXHAUST OR VENTILATION SYSTEM UNIT
RENEWAL APPLICATION

MAY 13 1988

OWNER	FACILITY	
WEBER-KNAPP	(6) WEBER-KNAPP CO	(11) CONFIDENTIAL STATUS NON-CONFIDNTL
441 CHANDLER	(7) 441 CHANDLER	(12) APPLICATION STATUS IN COMPLIANCE
JAMESTOWN (4) NY	(8) JAMESTOWN (9) 14701	DATE OF LAST CHANGE 11/09/83
14701	(10) REP: MICHAEL P. ALLETTE, V.P.	PRIOR CO ISSUE DATE 05/01/83
		PRIOR CO EXPIRATION DATE 05/01/88

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CONTINUED FROM PREVIOUS PAGE

ION	(41)UTM-E: 150.6 KM.	(42)STACK HEIGHT: 28 FT.	(43)EXIT VELOCITY: 20.00 FT/SEC	(44)SIC: 3429	(45)AGENCY-CODE-1:		
INIT	(46)UTM-N: 669.3 KM.	(47)HT ABV STRUC: 4 FT.	(48)EXIT FLOW: 1200.00 ACFM	(49)CO FEE: $50.00	(50)AGENCY-CODE-2:		
-29	(51)GRND ELEV: 1292 FT.	(52)STK DIAM: 14 IN.	(53)EXIT TEMP: 8 DEGR F	(54)CO CONDITIONS: 1			
I	(55)HOURS/DAY: 19.0	(56)DAYS/YEAR: 252	(57)% OP BY SEASON: 25 25 25 25	(58)SOURCE CODE: A0000			
	(59)BLDG: PLATING & WASTE TREATMENT	(60)FLOOR NAME: 1		(61)RULE 1: 212.00	(62)RULE 2:		

SS/UNIT (72)DESCRIPTION 1. TWO DRYERS LOCATED FOLLOWING BRASS & NICKEL PLATING
IPTION 2. DRY PLATED PARTS IN HELICAL UTILIZING AIR
3. & HOT CORN COB

OL (73)TYPE: 001 FAN (74)MFG: HARTZELL DVA-18 (75)ID: 01 (76)DATE INSTALLED: 11/75
MENT (77)DISPOSAL METHOD: (78)USEFUL LIFE: 10 YEARS

MINANTS	CAS NUMBER	ENV RATING	EMISSIONS ACTUAL	UNIT	HON DET	PERMISSIBLE	% CONTROL EFFICIENCY	HRLY ACTUAL LBS/HOUR	ANNUAL EMISSIONS (LBS/YEAR) ACTUAL	10x	PERMISSIBLE
1 HYPOCHLORITE	(085) 07681-52-9	(086) C	(087) .086	(088) 21	(089) 05	(090) 5.000	(091)	(092) .050	(093)239.400	(094) 0	(095) 13919
: ACID MIST	(096) 07697-37-2	(097) B	(098) .040	(099) 01	(100) 05	(101) .040	(102)	(103) .040	(104)191.520	(105) 0	(106)191.520
EN CHLORIDE	(107) 07647-01-0	(108) B	(109) .010	(110) 01	(111) 05	(112) .010	(113)	(114) .010	(115) 47.880	(116) 0	(117) 47.880

RIOR COMMENTS (16)BY BARTZ (17)DATE 03/31/83	(18)CURRENT COMMENTS (19)BY Szymanski (20)DATE 5/2/88	(27)LAST INSPECTION DATE 1/9/87
QUIP CONFORMS	1. in compliance	(21)INSPECTION STATUS 5
ER LEVEL 100%	2.	(22)DATE OF NEXT ACTION / /
ACITY 0%	3.	(23)ISSUE DATE 5/01/88
MPLAINTS 0	4.	(24)EXPIRATION DATE 5/01/93
ISPOSAL OK	5.	(25)CO FEE

REP'S SIGNATURE: Michael P. Allette DATE: 5/31/88

ISSUING OFFICER'S SIGNATURE: Steven J. Dolecki DATE: 6/3/88
REGIONAL PERMIT ADMINISTRATOR

N.Y.S. DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF AIR

SEQNC NO: 9-R-0121
RUN DATE: 12/07/87

)800 0298 EF-29 W I01
ATION FAC EP UNIT

CERTIFICATE TO OPERATE AN AIR CONTAMINATION SOURCE
PROCESS, EXHAUST OR VENTILATION SYSTEM UNIT
RENEWAL APPLICATION

OWNER	FACILITY	
WEBER-KNAPP	(6) WEBER-KNAPP CO	(11) CONFIDENTIAL STATUS NON-CONFIDNTL
441 CHANDLER	(7) 441 CHANDLER	(12) APPLICATION STATUS IN COMPLIANCE
JAMESTOWN (4) NY	(8) JAMESTOWN (9) 14701	DATE OF LAST CHANGE 11/09/83
14701	(10) REP: MICHAEL P. ALLETTE, V.P.	PRIOR CO ISSUE DATE 05/01/83
		PRIOR CO EXPIRATION DATE 05/01/88

ION (41)UTM-E: 150.6 KM. (42)STACK HEIGHT: 28 FT. (43)EXIT VELOCITY: 20.00 FT/SEC (44)SIC: 3429 (45)AGENCY-CODE-1:
NIT (46)UTM-N: 669.3 KM. (47)HT ABV STRUC: 4 FT. (48)EXIT FLOW: 1200.00 ACFM (49)CO FEE: $50.00 (50)AGENCY-CODE-2:
-29 (51)GRND ELEV: 1292 FT. (52)STK DIAM: 14 IN. (53)EXIT TEMP: 8 DEGR F (54)CO CONDITIONS: 1

I01 (55)HOURS/DAY: 19.0 (56)DAYS/YEAR: 252 (57)% OP BY SEASON: 25 25 25 25 (58)SOURCE CODE: 1202 ALKALINE (CAUSTIC) D

SS/UNIT (72)DESCRIPTION 1. STEEL CLEANING OPERATIONS WITH CAUSTIC SOLUTION
IPTION

OL (73)TYPE: 001 FAN (74)MFG: CLARAGE SIZE 44 1/2 MS RU (75)ID: 01 (76)DATE INSTALLED: 11/75
MENT (77)DISPOSAL METHOD: (78)USEFUL LIFE: 10 YEARS

MINANTS	CAS NUMBER	EMISSIONS ACTUAL	UNIT	NON DET	% CONTROL EFFICIENCY	HRLY ACTUAL LBS/HOUR	ANNUAL EMISSIONS (LBS/YEAR) ACTUAL	10%
M HYDROXIDE	(085) 01310-73-2	(087) .050	(088) 01	(089) 05	(091)	(092) .050	(093) 239.400	(094) 0

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N.Y.S. DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF AIR

SEQNC NO: 9-R-0122
RUN DATE: 12/07/87

800 0298 EF-29 W I02
TION FAC EP UNIT

CERTIFICATE TO OPERATE AN AIR CONTAMINATION SOURCE
PROCESS, EXHAUST OR VENTILATION SYSTEM UNIT
RENEWAL APPLICATION

OWNER	FACILITY	
WEBER-KNAPP	(6) WEBER-KNAPP CO	(11) CONFIDENTIAL STATUS NON-CONFIDNTL
441 CHANDLER	(7) 441 CHANDLER	(12) APPLICATION STATUS IN COMPLIANCE
JAMESTOWN (4) NY	(8) JAMESTOWN (9) 14701	DATE OF LAST CHANGE 11/09/83
14701	(10) REP: MICHAEL P. ALLETTE, V.P.	PRIOR CO ISSUE DATE 05/01/83
		PRIOR CO EXPIRATION DATE 05/01/88

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CONTINUED FROM PREVIOUS PAGE

ION (41)UTM-E: 150.6 KM. (42)STACK HEIGHT: 28 FT. (43)EXIT VELOCITY: 20.00 FT/SEC (44)SIC: 3429 (45)AGENCY-CODE-1:
NIT (46)UTM-N: 669.3 KM. (47)HT ABV STRUC: 4 FT. (48)EXIT FLOW: 1200.00 ACFM (49)CO FEE: $50.00 (50)AGENCY-CODE-2:
-29 (51)GRND ELEV: 1292 FT. (52)STK DIAM: 14 IN. (53)EXIT TEMP: 8 DEGR F (54)CO CONDITIONS: 1

I02 (55)HOURS/DAY: 19.0 (56)DAYS/YEAR: 252 (57)% OP BY SEASON: 25 25 25 25 (58)SOURCE CODE: 1201 ACID CLEANING OR DIP

SS/UNIT (72)DESCRIPTION 1. ACID STRIPPER
IPTION 2. USED TO REMOVE PLATING DEPOSITS FROM RACKS

OL (73)TYPE: 001 FAN (74)MFG: CLARAGE SIZE 44 1/2 MS RU (75)ID: 01 (76)DATE INSTALLED: 11/75
MENT (77)DISPOSAL METHOD: (78)USEFUL LIFE: 10 YEARS

NTINANTS		CAS NUMBER	EMISSIONS ACTUAL		UNIT		NOM DET		% CONTROL EFFICIENCY		HRLY ACTUAL LBS/HOUR		ANNUAL EMISSIONS (LBS/YEAR) ACTUAL		10	
C ACID MIST	(085)	07697-37-2	(087)	.040	(088)	01	(089)	05	(091)		(092)	.040	(093)	191.520	(094)	0

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N.Y.S. DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF AIR

SEQNC NO: 9-R-0123
RUN DATE: 12/07/87

)800 0298 EF-29 W I03
ATION FAC EP UNIT

CERTIFICATE TO OPERATE AN AIR CONTAMINATION SOURCE
PROCESS, EXHAUST OR VENTILATION SYSTEM UNIT
RENEWAL APPLICATION

OWNER	FACILITY	
WEBER-KNAPP	(6) WEBER-KNAPP CO	(11) CONFIDENTIAL STATUS NON-CONFIDNTL
441 CHANDLER	(7) 441 CHANDLER	(12) APPLICATION STATUS IN COMPLIANCE
JAMESTOWN (4) NY	(8) JAMESTOWN (9) 14701	DATE OF LAST CHANGE 11/09/83
14701	(10) REP: MICHAEL P. ALLETTE, V.P.	PRIOR CO ISSUE DATE 05/01/83
		PRIOR CO EXPIRATION DATE 05/01/88

PAGE 3
CONTINUED FROM PREVIOUS PAGE

ION (41)UTM-E: 150.6 KM. (42)STACK HEIGHT: 28 FT. (43)EXIT VELOCITY: 20.00 FT/SEC (44)SIC: 3429 (45)AGENCY-CODE-1:
)INT (46)UTM-N: 669.3 KM. (47)HT ABV STRUC: 4 FT. (48)EXIT FLOW: 1200.00 ACFM (49)CO FEE: $50.00 (50)AGENCY-CODE-2:
-29 (51)GRND ELEV: 1292 FT. (52)STK DIAM: 14 IN. (53)EXIT TEMP: 8 DEGR F (54)CO CONDITIONS: 1

I03 (55)HOURS/DAY: 19.0 (56)DAYS/YEAR: 252 (57)% OP BY SEASON: 25 25 25 25 (58)SOURCE CODE: 1202 ALKALINE (CAUSTIC) D

SS/UNIT (72)DESCRIPTION 1. ACID PICKELING OF STEEL PARTS
RIPTION

OL (73)TYPE: 001 FAN (74)MFG: CLARAGE SIZE 44 1/2 MS RU (75)ID: 01 (76)DATE INSTALLED: 11/75
IENT (77)DISPOSAL METHOD: (78)USEFUL LIFE: 10 YEARS

MINANTS		CAS NUMBER	EMISSIONS ACTUAL		UNIT		HOM DET		% CONTROL EFFICIENCY	HRLY ACTUAL LBS/HOUR		ANNUAL EMISSIONS (LBS/YEAR) ACTUAL		10%	
OGEN CHLORIDE	(085)	07647-01-0	(087)	.010	(088)	01	(089)	05	(091)	(092)	.010	(093)	47.880	(094)	0

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N.Y.S. DEPARTMENT OF ENVIRONMENTAL CONSERVATION - DIVISION OF AIR 11/09/8

60800 0298 EF-31 W I

CATION FAC EP

CERTIFICATE TO OPERATE AN AIR CONTAMINATION SOURCE
PROCESS, EXHAUST OR VENTILATION SYSTEM UNIT
RENEWAL APPLICATION

OWNER	FACILITY	
WEBER-KNAPP	(6) WEBER-KNAPP CO	(11) CONFIDENTIAL STATUS NON-CONFIDNTL
441 CHANDLER	(7) 441 CHANDLER	(12) COMPLIANCE STATUS IN COMPLIANCE
JAMESTOWN (4) NY	(8) JAMESTOWN (9) 14701	DATE OF LAST CHANGE 10/08/81
14701	(10) REP: MICHAEL A. ALLETTE, V.P.	(13) PRIOR CO ISSUE DATE 03/01/81
		(14) PRIOR CO EXPIRATION DATE 03/01/84

SSION (41)UTM-E: 150.6 KM. (42)STACK HEIGHT: 32 FT. (43)EXIT VELOCITY: 25.00 FT/SEC (44)SIC: 3429 (45)AGENCY-CODE-1:
POINT (46)UTM-N: 669.3 KM. (47)HT ABV STRUC: 8 FT. (48)EXIT FLOW: 3300.00 ACFM (49)CO FEE: (50)AGENCY-CODE-2:
EF-31 (51)GRND ELEV: 1292 FT. (52)STK DIAM: 20 X 16 IN. (53)EXIT TEMP: 70 DEGR F (54)CO CONDITIONS: 1 3 EDIT: REV. REQ.

I E (55)HOURS/DAY: 18.0 (56)DAYS/YEAR: 252 (57)% OP BY SEASON: 25 25 25 25 (58)SOURCE CODE: 1201 ACID CLEANING OR DIP
(59)BLDG: PLATING WASTE TREATMENT (60)FLOOR NAME: 1ST FLOOR (61)RULE 1: 212.00 (62)RULE 2:

CESS/UNIT (63)DESCRIPTION 1. BRASS PLATED STEEL PARTS ARE DIPPED IN A SOLUTION
CRIPTION 2. OF 10% NITRIC ACID AND ONE (1) OZGAL FERROUS
3. SUEFATE TO OBTAIN AND OXIDIZED APPEARANCE

NTROL (73)TYPE: 099 NONE
IPMENT

		ENV	EMISSIONS					% CONTROL	HRLY ACTUAL	ANNUAL EMISSIONS (LBS/YEAR)		
TAMINANTS	CAS NUMBER	RATING	ACTUAL	UNIT	HOW DET	PERMISSIBLE		EFFICIENCY	LBS/HOUR	ACTUAL	10%	PERMISSIBLE
OGEN OXIDE NO	(085) 10102-43-9	(086) B	(087) .033	(088) 01	(089) 06	(090) .033		(091)	(092) .033	(093) 15.000	(094) 1	(095) 15.000
OGEN SULFIDE	(096) 07783-06-4	(097) B	(098)	(099) 94	(100) 06	(101)		(102)	(103)	(104) 4.500	(105) 0	(106) 4.500
UR DIOXIDE	(107) 07446-09-5	(108) B	(109)	(110) 94	(111) 06	(112)		(113)	(114)	(115) 4.500	(116) 0	(117) 4.500
IC ACID MIST	(118) 07697-37-2	(119) B	(120)	(121) 94	(122) 06	(123)		(124)	(125)	(126) 4.500	(127) 0	(128) 4.500

APPENDIX G

)PRIOR COMMENTS (16)BY (17)DATE

(18)CURRENT COMMENTS (19)BY BLS (20)DATE 2/13/89
1. EQPT & DATA CONFORMS.....OPERATING LEVEL 100%
2. ~~CPACITY.....%~~ - DISPOSAL/A.K.COMPLAINTS.....
3.
4.
5.

(21)COMPLIANCE 5
(22)DATE OF NEXT ACTION / /
CERTIFICATE TO OPERATE
(23)ISSUE DATE 2/23/89
(24)EXPIRATION DATE
(25)CO FEE

M REP'S SIG' RE: DATE: / /

ISSUING OFFICER'S SIGNATURE: Steven J Poleski DATE:

N.Y.S. DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF AIR

SEQNC NO: 9-R-0077
RUN DATE: 09/05/84

60800 0298 CB400 W C
OCATION FAC EP

CERTIFICATE TO OPERATE AN AIR CONTAMINATION SOURCE
STATIONARY COMBUSTION INSTALLATION UNIT
RENEWAL APPLICATION

OWNER	FACILITY	
WEBER-KNAPP	(6) WEBER-KNAPP CO	(11) CONFIDENTIAL STATUS NON-CONFIDNTL
441 CHANDLER	(7) 441 CHANDLER	(12) APPLICATION STATUS IN COMPLIANCE
JAMESTOWN (4) NY	(8) JAMESTOWN (9) 14701	DATE OF LAST CHANGE 08/23/84
14701	(10) REP: MICHAEL P. ALLETTE, V.P.	PRIOR CO ISSUE DATE 02/01/84
		PRIOR CO EXPIRATION DATE 02/01/85

ISSION POINT DATA
(41)UTM-E: 150.6 KM. (42)STACK HEIGHT: 32 FT. (43)EXIT VELOCITY: 29.80 FT/SEC (44)SIC: 3429 (45)AGENCY-CODE-1:
(46)UTM-N: 669.3 KM. (47)HT ABV STRUC: 3 FT. (48)EXIT FLOW: 3900.00 ACFM (49)CO FEE: (50)AGENCY-CODE-2:
(51)GRND ELEV: 1294 FT. (52)STK DIAM: 20 IN. (53)EXIT TEMP: 365 DEGR F (54)CO CONDITIONS: 1 3 EDIT: REV. REQ.

(55)HEAT INPUT: 12.6 MILLIONS BTU/HR (56)CONTINUOUS MONITORS: (F)OTHER

IT S (57)TYPE: 001 PACKAGE BOILER (58)MFG: CLEAVER BROOKS CB400-300-150 (59)HEAT INPUT: 12.60 MILLIONS BTU/HR
(60)AIR INTAKE: 1 OUTSIDE AIR INTAKE (61)SOURCE CODE: A7330 SPACE HEATING-MULTI
(62)BLDG: PLANT 1 (63)FLOOR NAME: 1

RNER DATA (64)TYPE: 053 AIR ATOMIZED (65)MFG: CLEAVER BROOKS CB400-300-150 (66)NO. OF BURNERS: 1

EL DATA (67)TYPE: 036 NO 6 OIL - VIRGIN FUEL QUANTITIES: (68)AVG/HR: 21.8 (69)MAX/HR: 83.5 (70)TOTAL/YEAR: 191755
(71)FUEL SUPPLIER: UNITED REFINERY (72)HOURS/DAY: 24.0 (73)DAYS/YEAR: 365 (74)% OP BY SEASON: 44 18 11 2?

RNER DATA (75)TYPE: 062 FORCED DRAFT POWER (76)MFG: CLEAVER BROOKS CB400-300-150 (77)NO. OF BURNERS: 1

EL DATA (78)TYPE: 052 NATURAL GAS FUEL QUANTITIES: (79)AVG/HR: 34000.0 (80)MAX/HR: 12600.0 (81)TOTAL/YEAR: 30000000
(82)FUEL SUPPLIER: NATIONAL FUEL GAS (83)HOURS/DAY: 24.0 (84)DAYS/YEAR: 365 (85)% OP BY SEASON: 44 18 11 2?

NTROL UIPMENT (86)TYPE: 099 NONE

5)PRIOR COMMENTS (16)BY (17)DATE	(18)CURRENT COMMENTS (19)BY J. McGARRY (20)DATE 10/18/84	(27)LAST INSPECTION DATE 11/5/85
.	1. NO INSPECTION PERFORMED	(21)INSPECTION STATUS 5
.	2.	(22)DATE OF NEXT ACTION / /
.	3.	(23)ISSUE DATE 10/25/89 10/25/84
.	4.	(24)EXPIRATION DATE 5/01/85
.	5.	(25)CO FEE 40.00

N REP'S SIG RE: DATE: ISSUING OFFICER'S SIGNATURE: Steven Doleski ATE: / /

N.Y.S. DEPARTMENT OF ENVIRONMENTAL CONSERVATION - DIVISION OF AIR 11/09/8

)300 0298 00001 W I

.TION FAC EP

CERTIFICATE TO OPERATE AN AIR CONTAMINATION SOURCE
PROCESS, EXHAUST OR VENTILATION SYSTEM UNIT
RENEWAL APPLICATION

OWNER	FACILITY	
WEBER-KNAPP	(6) WEBER-KNAPP CO	(11) CONFIDENTIAL STATUS NON-CONFIDNTL
441 CHANDLER	(7) 441 CHANDLER	(12) COMPLIANCE STATUS IN COMPLIANCE
JAMESTOWN (4) NY	(8) JAMESTOWN (9) 14701	DATE OF LAST CHANGE 09/07/83
14701	(10) REP: MICHAEL A. ALLETTE, V.P.	(13) PRIOR CO ISSUE DATE 06/01/81
		(14) PRIOR CO EXPIRATION DATE 03/01/84

ION	(41)UTM-E: 150.6 KM.	(42)STACK HEIGHT: 39 FT.	(43)EXIT VELOCITY: 67.90 FT/SEC	(44)SIC: 3429	(45)AGENCY-CODE-1:		
NIT	(46)UTM-N: 669.3 KM.	(47)HT ABV STRUC: 10 FT.	(48)EXIT FLOW: 5000.00 ACFM	(49)CO FEE:	(50)AGENCY-CODE-2:		
001	(51)GRND ELEV: 1294 FT.	(52)STK DIAM: 15 IN.	(53)EXIT TEMP: 100 DEGR F	(54)CO CONDITIONS: 1 3			
I	(55)HOURS/DAY: 9.0	(56)DAYS/YEAR: 250	(57)% OP BY SEASON: 25 25 25 25	(58)SOURCE CODE: 3105	CRUCIBLE FURNACE		
	(59)BLDG: MAIN	(60)FLOOR NAME: FIRST		(61)RULE 1: 212.00	(62)RULE 2: 212.00		

SS/UNIT (72)DESCRIPTION 1. NONFERROUS FOUNDRY OPERATION CONSISTS OF AN INDUCTION
IPTION 2. FURNACE MELTING BRASS BRONZE AND ALUMINUM
3. INGOT AND SKIMMING AREA

OL (73)TYPE: 099 NONE
IENT

MINANTS	CAS NUMBER	ENV RATING	EMISSIONS ACTUAL	UNIT	HON DET	PERMISSIBLE	% CONTROL EFFICIENCY	HRLY ACTUAL LBS/HOUR	ANNUAL EMISSIONS (LBS/YEAR) ACTUAL	10%	PERMISSIBLE
	(085) 07440-66-6	(086)	(087) .170	(088) 01	(089) 05	(090)	(091)	(092) .170	(093) 38.000	(094) 1	(095)
	(096) 07440-50-8	(097)	(093) .610	(099) 01	(100) 05	(101)	(102)	(103) .610	(104) 14.000	(105) 2	(106)
UM	(107) 07429-90-5	(108)	(109) .040	(110) 01	(111) 05	(112)	(113)	(114) .040	(115) 90.000	(116) 0	(117)
ULATES(METAL)	(118) NY075-00-2	(119)	(120) .010	(121) 01	(122) 05	(123)	(124)	(125) .010	(126) 23.000	(127) 0	(128)
SOLID PART	(129) NY079-00-0	(130) B	(131)	(132) 01	(133) 05	(134) 3.770	(135)	(136)	(137)	(138) 0	(139) 1893
UM CHLORIDE	(140) 07446-70-0	(141) B	(142) .130	(143) 01	(144) 06	(145) .130	(146)	(147) .130	(148) 29.000	(149) 1	(150)
INUATION FORM J	(096) 07439-92-1	(097) A	(098) .020	(099) 01	(100) 05	(101) .020	(102)	(103) .020	(104) 45.000	(105) 0	(106) 45.000

RIOR COMMENTS (16)BY (17)DATE

(18)CURRENT COMMENTS (19)BY R.L. Brock (20)DATE 4/25/83
1. [illegible]
2. [illegible]
3.
4.
5.

(21)COMPLIANCE 5
(22)DATE OF NEXT ACTION / /
CERTIFICATE TO OPERATE
(23)ISSUE DATE 1/22/89 02/23/84
(24)EXPIRATION DATE 05/01/88
(25)CO FEE 40.00

EP'S SIGNATURE: [illegible] V. MFG DATE: 2/21/84

ISSUING OFFICER'S SIGNATURE: [signature] DATE: 2/23/84
Regional Permit Administrator

N.Y.S. DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF AIR

SEQNC NO: 9-R-00
RUN DATE: 12/07/

C 060800 0298 00002 W I
LOCATION FAC EP

CERTIFICATE TO OPERATE AN AIR CONTAMINATION SOURCE
PROCESS, EXHAUST OR VENTILATION SYSTEM UNIT
RENEWAL APPLICATION

MAY 13 198

OWNER	FACILITY	
(1) WEBER-KNAPP	(6) WEBER-KNAPP CO	(11) CONFIDENTIAL STATUS NON-CONFID
(2) 441 CHANDLER	(7) 441 CHANDLER	(12) APPLICATION STATUS IN COMPLIA
(3) JAMESTOWN (4) NY	(8) JAMESTOWN (9) 14701	DATE OF LAST CHANGE 06/14/83
(5) 14701	(10) REP: MICHAEL P. ALLETTE, V.P.	PRIOR CO ISSUE DATE 05/01/83
		PRIOR CO EXPIRATION DATE 05/01/88

EMISSION POINT 00002
(41)UTM-E: 150.6 KM. (42)STACK HEIGHT: 26 FT. (43)EXIT VELOCITY: 16.30 FT/SEC (44)SIC: 3429 (45)AGENCY-CODE-1:
(46)UTM-N: 669.3 KM. (47)HT ABV STRUC: 8 FT. (48)EXIT FLOW: 12280.00 ACFM (49)CO FEE: $50.00 (50)AGENCY-CODE-2:
(51)GRND ELEV: 1294 FT. (52)STK DIAM: 47 IN. (53)EXIT TEMP: 8 DEGR F (54)CO CONDITIONS: 1

UNIT I
(55)HOURS/DAY: 9.0 (56)DAYS/YEAR: 252 (57)% OP BY SEASON: 25 25 25 25 (58)SOURCE CODE: 1103 SANDING OR GRINDING
(59)BLDG: MAIN MANUFACTURING (60)FLOOR NAME: 1 (61)RULE 1: 212.00 (62)RULE 2:

PROCESS/UNIT DESCRIPTION (72)DESCRIPTION
1. A CYCLONE LOCATED ON GROUND LEVEL RECEIVES METALLIC
2. PARTICLES & STEEL & SILICA GRIT DISCHARGED INTO
3. TWO BLOWERS FROM SAND TUMBLE BLAST MACHINE
4. SEVERAL BELT SANDERS & GRINDING MACHINES

CONTROL EQUIPMENT (73)TYPE: 005 CYCLONE (74)MFG: SPRINCHORN & CO FAB (75)ID: 01 (76)DATE INSTALLED: 04/68
(77)DISPOSAL METHOD: 01 LANDFILL - ONSITE (78)USEFUL LIFE: 35 YEARS

AIR CONTAMINANTS	CAS NUMBER	ENV RATING	EMISSIONS ACTUAL	UNIT	HOW DET	PERMISSIBLE	% CONTROL EFFICIENCY	HRLY ACTUAL LBS/HOUR	ANNUAL EMISSIONS (LBS/YEAR) ACTUAL	10x	PERMISSI
PARTICULATES	(085) NY075-00-0	(086) B	(087) .190	(088) 21	(089) 09	(090) 5.000	(091)	(092) .760	(093) 1723	(094) 0	(095) 11

(15)PRIOR COMMENTS (16)BY BARTZ (17)DATE 03/31/83
1. EQUIP CONFORMS
2. OPER LEVEL 100%
3. OPACITY 0%
4. COMPLAINTS 0
5. DISPOSAL OK

(18)CURRENT COMMENTS (19)BY Szymanski (20)DATE 5/2/88
1.
2.
3.
4.
5.

(27)LAST INSPECTION DATE 5/2/88
(21)INSPECTION STATUS 5
(22)DATE OF NEXT ACTION / /
(23)ISSUE DATE 5/01/88
(24)EXPIRATION DATE 5/01/93
(25)CO FEE

FIRM REP'S SIGNATURE: [signature]
DATE: / /
ISSUING OFFICER'S SIGNATURE: Steven J. Doleski
DATE: 6/3/88

N.Y.S. DEPARTMENT OF /IRONMENTAL CONSERVATION
DIVISION OF AIR

SEQ. 40: 9-R-0079
RUN DATE: 12/07/87

60800 0298 00003 W I
)CATION FAC EP

CERTIFICATE TO OPERATE AN AIR CONTAMINATION SOURCE
PROCESS, EXHAUST OR VENTILATION SYSTEM UNIT
RENEWAL APPLICATION

MAY 13 1988

OWNER	FACILITY	
WEBER-KNAPP	(6) WEBER-KNAPP CO	(11) CONFIDENTIAL STATUS NON-CONFIDNTL
441 CHANDLER	(7) 441 CHANDLER	(12) APPLICATION STATUS IN COMPLIANCE
JAMESTOWN (4) NY	(8) JAMESTOWN (9) 14701	DATE OF LAST CHANGE 06/14/83
14701	(10) REP: MICHAEL P. ALLETTE, V.P.	PRIOR CO ISSUE DATE 05/01/83
		PRIOR CO EXPIRATION DATE 05/01/88

:SSION	(41)UTM-E: 150.6 KM.	(42)STACK HEIGHT: 24 FT.	(43)EXIT VELOCITY: 31.00 FT/SEC	(44)SIC: 3429	(45)AGENCY-CODE-1:		
POINT	(46)UTM-N: 669.5 KM.	(47)HT ABV STRUC: 6 FT.	(48)EXIT FLOW: 16200.00 ACFM	(49)CO FEE: $50.00	(50)AGENCY-CODE-2:		
00003	(51)GRND ELEV: 1294 FT.	(52)STK DIAM: 40 IN.	(53)EXIT TEMP: 8 DEGR F	(54)CO CONDITIONS: 1			
T I	(55)HOURS/DAY: 9.0	(56)DAYS/YEAR: 252	(57)% OP BY SEASON: 25 25 25 25	(58)SOURCE CODE: 1202	ALKALINE (CAUSTIC) D		
	(59)BLDG: MAIN MNFG	(60)FLOOR NAME: 1		(61)RULE 1: 212.00	(62)RULE 2:		

)CESS/UNIT (72)DESCRIPTION
SCRIPTION

1. OPERATION CONSISTS OF SOAK CLEANING OF LARGE VOLUMES
2. OF SMALL STEEL PARTS IN HOT ALKALI CLEANER
3. FOLLOWED BY A HOT RINSE AND A SUBSEQUENT DIP
4. IN A RUST PROOF SOLUTION STEAM HEATED

NTROL	(73)TYPE: 001 FAN	(74)MFG: HAMILTON B-42-5TE	(75)ID: 01	(76)DATE INSTALLED: 12/67
UIPMENT		(77)DISPOSAL METHOD: 09 OTHER		(78)USEFUL LIFE: 30 YEARS

R		ENV	E M I S S I O N S				% CONTROL	HRLY ACTUAL	ANNUAL EMISSIONS (LBS/YEAR)		
NTAMINANTS	CAS NUMBER	RATING	ACTUAL	UNIT	HOW DET	PERMISSIBLE	EFFICIENCY	LBS/HOUR	ACTUAL	10×	PERMISSIBLE
IUM HYDROXIDE	(085) 01310-73-2	(086) C	(087) .400	(088) 01	(089) 05	(090) .400	(091)	(092) .400	(093)907.200	(094) 0	(095)907.200

)PRIOR COMMENTS (16)BY BARTZ (17)DATE 03/31/83	(18)CURRENT COMMENTS (19)BY Szymanski (20)DATE 5/2/88	(27)LAST INSPECTION DATE 1/9/87
EQUIP CONFORMS	1. in compliance	(21)INSPECTION STATUS 5
OPER LEVEL 100%	2.	(22)DATE OF NEXT ACTION / /
OPACITY 0%	3.	(23)ISSUE DATE 5/01/88
COMPLAINTS 0	4.	(24)EXPIRATION DATE 5/01/92
DISPOSAL OK	5.	(25)CO FEE

RM REP'S SIGNATURE: Carl H. Little DATE: 5/31/88

ISSUING OFFICER'S SIGNATURE: Stephen J. Doleski
REGIONAL PERMIT ADMINISTRATOR

DATE: 6/3/88

N.Y.S. DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF AIR

SEQNC NO: 9-R-008(
RUN DATE: 12/07/87

: 060800 0298 00005 W I
LOCATION FAC EP

CERTIFICATE TO OPERATE AN AIR CONTAMINATION SOURCE
PROCESS, EXHAUST OR VENTILATION SYSTEM UNIT
RENEWAL APPLICATION

MAY 13 1988

OWNER	FACILITY	
(1) WEBER-KNAPP	(6) WEBER-KNAPP CO	(11) CONFIDENTIAL STATUS NON-CONFIDI
(2) 441 CHANDLER	(7) 441 CHANDLER	(12) APPLICATION STATUS IN COMPLIAN
(3) JAMESTOWN (4) NY	(8) JAMESTOWN (9) 14701	DATE OF LAST CHANGE 01/21/86
(5) 14701	(10) REP: MICHAEL P. ALLETTE, V.P.	PRIOR CO ISSUE DATE 05/01/83
		PRIOR CO EXPIRATION DATE 05/01/88

EMISSION POINT 00005

(41)UTM-E: 150.6 KM. (42)STACK HEIGHT: 7 FT. (43)EXIT VELOCITY: 59.00 FT/SEC (44)SIC: 3429 (45)AGENCY-CODE-1:
(46)UTM-N: 669.3 KM. (47)HT ABV STRUC: 11 FT. (48)EXIT FLOW: 700.00 ACFM (49)CO FEE: $50.00 (50)AGENCY-CODE-2:
(51)GRND ELEV: 1294 FT. (52)STK DIAM: 6 IN. (53)EXIT TEMP: 8 DEGR F (54)CO CONDITIONS: 1

UNIT I

(55)HOURS/DAY: 9.0 (56)DAYS/YEAR: 252 (57)% OP BY SEASON: 25 25 25 25 (58)SOURCE CODE: 1203 DEGREASING AND CLEAN
(59)BLDG: MAIN MNFG (60)FLOOR NAME: 1 (61)RULE 1: 212.00 (62)RULE 2:

PROCESS/UNIT DESCRIPTION (72)DESCRIPTION
1. CLEANING OF DIES AND DIE BLOCKS USING
2. MINERAL SPIRITS IN A PARTS WASHING STATION
3. IN SMALL TANK WHICH IS EXHAUSTED TO OUTSIDE

CONTROL EQUIPMENT (73)TYPE: 099 NONE

AIR CONTAMINANTS	CAS NUMBER	ENV RATING	EMISSIONS ACTUAL	EMISSIONS UNIT	EMISSIONS HOW DET	EMISSIONS PERMISSIBLE	% CONTROL EFFICIENCY	HRLY ACTUAL LBS/HOUR	ANNUAL EMISSIONS (LBS/YEAR) ACTUAL	ANNUAL EMISSIONS (LBS/YEAR) 10×	ANNUAL EMISSIONS (LBS/YEAR) PERMISSI
MINERAL SPIRITS	(085) 08032-32-4	(086) C	(087) .910	(088) 01	(089) 06	(090) .910	(091)	(092) .910	(093) 2063	(094) 0	(095) 2(

(15)PRIOR COMMENTS (16)BY BARTZ (17)DATE 03/31/83
1. EQUIP CONFORMS
2. OPER LEVEL 100%
3. OPACITY 0%
4. COMPLAINTS 0
5. DISPOSAL OK

(18)CURRENT COMMENTS (19)BY Szymanski (20)DATE 5 12 88
1. in compliance
2.
3.
4.
5.

(27)LAST INSPECTION DATE 1/19/8
(21)INSPECTION STATUS 5
(22)DATE OF NEXT ACTION / /
(23)ISSUE DATE 5 01 88
(24)EXPIRATION DATE 5 01 93
(25)CO FEE

FIRM REP'S SIGNATURE: / DATE: ISSUING OFFICER'S SIGNATURE: A Doleski DATE: 5/13

N.Y.S. DEPARTMENT OF ENVIRONMEI L CONSERVATION - DIVISION OF AIR 11/09/8

160800 0298 00007 W I

OCATION FAC EP

CERTIFICATE TO OPERATE AN AIR CONTAMINATION SOURCE
PROCESS, EXHAUST OR VENTILATION SYSTEM UNIT
RENEWAL APPLICATION

OWNER	FACILITY	
) WEBER-KNAPP	(6) WEBER-KNAPP CO	(11) CONFIDENTIAL STATUS NON-CONFIDNTL
) 441 CHANDLER	(7) 441 CHANDLER	(12) COMPLIANCE STATUS IN COMPLIANCE
) JAMESTOWN (4) NY	(8) JAMESTOWN (9) 14701	DATE OF LAST CHANGE 09/07/83
) 14701	(10) REP: MICHAEL A. ALLETTE, V.P.	(13) PRIOR CO ISSUE DATE 03/01/81
		(14) PRIOR CO EXPIRATION DATE 03/01/84

ISSION (41)UTM-E: 150.6 KM. (42)STACK HEIGHT: 24 FT. (43)EXIT VELOCITY: 49.00 FT/SEC (44)SIC: 3429 (45)AGENCY-CODE-1:
POINT (46)UTM-N: 669.3 KM. (47)HT ABV STRUC: 6 FT. (48)EXIT FLOW: 1600.00 ACFM (49)CO FEE: (50)AGENCY-CODE-2:
00007 (51)GRND ELEV: 1294 FT. (52)STK DIAM: 10 IN. (53)EXIT TEMP: 100 DEGR F (54)CO CONDITIONS: 1 3

IT I (55)HOURS/DAY: 18.0 (56)DAYS/YEAR: 252 (57)% OP BY SEASON: 25 25 25 25 (58)SOURCE CODE: 1203 DEGREASING AND CLEAN
(59)BLDG: MAIN MANUFACTURING (60)FLOOR NAME: FIRST (61)RULE 1: 212.00 (62)RULE 2:

OCESS/UNIT (72)DESCRIPTION 1. SOLVENT IMMERSION CLEANING OF ALUMINUM BRASS AND
SCRIPTION 2. STEEL PARTS IN AN ENCLOSED CONVEYORIZED DEGREASER USING
3. TRICHLOROETHYLENE

NTROL (73)TYPE: 099 NONE
UIPMENT

R		ENV	EMISSIONS				% CONTROL	HRLY ACTUAL	ANNUAL EMISSIONS (LBS/YEAR)		
NTAMINANTS	CAS NUMBER	RATING	ACTUAL	UNIT	NON DET	PERMISSIBLE	EFFICIENCY	LBS/HOUR	ACTUAL	10%	PERMISSIBLE
CHLOROETHYLENE	(085) 00079-01-6	(086)	(087) 7.000	(088) 01	(089) 06	(090) 7.000	(091)	(092) 7.000	(093) 3.200	(094) 4	(095) 3.200

)PRIOR COMMENTS (16)BY (17)DATE

(18)CURRENT COMMENTS (19)BY [illegible] (20)DATE 1/25/84
1. [illegible]
2. [illegible]
3.
4.
5.

(21)COMPLIANCE 5
(22)DATE OF NEXT ACTION / /
CERTIFICATE TO OPERATE
(23)ISSUE DATE 1/23/84 02/23/84
(24)EXPIRATION DATE 02/23/89
(25)CO FEE 40.00

M REP'S SIGNATURE: DATE:
Michael A. Allette V. MFG 2/21/84

ISSUING OFFICER'S SIGNATURE: Steven J. Urleski DATE: 2/23/84
Regio. Permit A .nistrator

N.Y.S. DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF AIR

SEQNC NO: 9-R-0081
RUN DATE: 12/07/87

60800 0298 00008 W I
LOCATION FAC EP

CERTIFICATE TO OPERATE AN AIR CONTAMINATION SOURCE
PROCESS, EXHAUST OR VENTILATION SYSTEM UNIT
RENEWAL APPLICATION

MAY 13 1988

OWNER	FACILITY	
WEBER-KNAPP	(6) WEBER-KNAPP CO	(11) CONFIDENTIAL STATUS NON-CONFIDNTL
441 CHANDLER	(7) 441 CHANDLER	(12) APPLICATION STATUS IN COMPLIANCE
JAMESTOWN (4) NY	(8) JAMESTOWN (9) 14701	DATE OF LAST CHANGE 06/14/83
14701	(10) REP: MICHAEL P. ALLETTE, V.P.	PRIOR CO ISSUE DATE 05/01/83
		PRIOR CO EXPIRATION DATE 05/01/88

SSION	(41)UTM-E: 150.6 KM.	(42)STACK HEIGHT: 33 FT.	(43)EXIT VELOCITY: 47.00 FT/SEC	(44)SIC: 3429	(45)AGENCY-CODE-1:	
POINT	(46)UTM-N: 669.3 KM.	(47)HT ABV STRUC: 13 FT.	(48)EXIT FLOW: 3000.00 ACFM	(49)CO FEE: $50.00	(50)AGENCY-CODE-2:	
00008	(51)GRND ELEV: 1294 FT.	(52)STK DIAM: 14 IN.	(53)EXIT TEMP: 8 DEGR F	(54)CO CONDITIONS: 1		
T I	(55)HOURS/DAY: 9.0	(56)DAYS/YEAR: 252	(57)% OP BY SEASON: 25 25 25 25	(58)SOURCE CODE: 1101	MACHINING (TURNING,C	
	(59)BLDG: MAIN MNFG	(60)FLOOR NAME: 1		(61)RULE 1: 212.00	(62)RULE 2:	

CESS/UNIT DESCRIPTION (72)DESCRIPTION
1. OPERATION INVOLVES A SEMI-AUTOMATIC MACHINE
2. WHICH PERFORMS NUMEROUS MACHINING OPERATIONS
3. ON ALUMINUM PULLS USING A LIGHT CUTTING OIL

ITROL IPMENT	(73)TYPE: 014 DEMISTER	(74)MFG: BUFFALO FORGE	(75)ID: 01	(76)DATE INSTALLED: 02/59
		(77)DISPOSAL METHOD: 09 OTHER		(78)USEFUL LIFE: 30 YEARS

		ENV	EMISSIONS				% CONTROL	HRLY ACTUAL	ANNUAL EMISSIONS (LBS/YEAR)		
ITAMINANTS	CAS NUMBER	RATING	ACTUAL	UNIT	HOW DET	PERMISSIBLE	EFFICIENCY	LBS/HOUR	ACTUAL	10×	PERMISSIBLE
MIST	(085) NY090-00-0	(086) C	(087)	(088) 94	(089)	(090)	(091)	(092) .001	(093) 2.268	(094) 0	(095) 2.268

(15)PRIOR COMMENTS (16)BY BARTZ (17)DATE 03/31/83
EQUIP CONFORMS
OPER LEVEL 100%
OPACITY 0%
COMPLAINTS 0
DISPOSAL OK

(18)CURRENT COMMENTS (19)BY SZYMANSKI (20)DATE 5/2/88
1. in compliance
2.
3.
4.
5.

(27)LAST INSPECTION DATE 1/9/87
(21)INSPECTION STATUS 5
(22)DATE OF NEXT ACTION / /
(23)ISSUE DATE 5/01/88
(24)EXPIRATION DATE 5/01/92
(25)CO FEE

(1) REP'S SIGNATURE: Carl H. Little
DATE: 5/31/88

ISSUING OFFICER'S SIGNATURE: Steven J. Doleski
REGIONAL PERMIT ADMINISTRATOR
DATE: 6/3/88

N.Y.S. DEPARTMENT OF VIRONMENTAL CONSERVATION
DIVISION OF AIR

SE NO: 9-R-0082
RUN DATE: 12/07/87

60800 0298 00009 W I
)CATION FAC EP

CERTIFICATE TO OPERATE AN AIR CONTAMINATION SOURCE
PROCESS, EXHAUST OR VENTILATION SYSTEM UNIT
RENEWAL APPLICATION

MAY 19 1988

OWNER	FACILITY	
WEBER-KNAPP	(6) WEBER-KNAPP CO	(11) CONFIDENTIAL STATUS NON-CONFIDNTL
441 CHANDLER	(7) 441 CHANDLER	(12) APPLICATION STATUS IN COMPLIANCE
JAMESTOWN (4) NY	(8) JAMESTOWN (9) 14701	DATE OF LAST CHANGE 06/14/83
14701	(10) REP: MICHAEL P. ALLETTE, V.P.	PRIOR CO ISSUE DATE 05/01/83
		PRIOR CO EXPIRATION DATE 05/01/88

SSION (41)UTM-E: 150.6 KM. (42)STACK HEIGHT: 26 FT. (43)EXIT VELOCITY: 37.00 FT/SEC (44)SIC: 3429 (45)AGENCY-CODE-1:
POINT (46)UTM-N: 669.3 KM. (47)HT ABV STRUC: 5 FT. (48)EXIT FLOW: 4800.00 ACFM (49)CO FEE: $50.00 (50)AGENCY-CODE-2:
00009 (51)GRND ELEV: 1294 FT. (52)STK DIAM: 20 IN. (53)EXIT TEMP: 8 DEGR F (54)CO CONDITIONS: 1

T I (55)HOURS/DAY: 9.0 (56)DAYS/YEAR: 252 (57)% OP BY SEASON: 25 25 25 25 (58)SOURCE CODE: 1101 MACHINING (TURNING,C
(59)BLDG: MAIN MNFG (60)FLOOR NAME: 1 (61)RULE 1: 212.00 (62)RULE 2:

)CESS/UNIT (72)DESCRIPTION 1. SEMI-AUTOMATIC DRILL AND TAP MACHINE USES
)CRIPTION 2. A LIGHT CUTTING OIL ON ALUMINUM WORK

)TROL (73)TYPE: 009 ELECTRIC PRECIPITATOR (74)MFG: TRION #18-203 (75)ID: 01 (76)DATE INSTALLED: 04/68
)IPMENT (77)DISPOSAL METHOD: 09 OTHER (78)USEFUL LIFE: 30 YEARS

)TAMINANTS	CAS NUMBER	ENV RATING	EMISSIONS ACTUAL	UNIT	HOW DET	PERMISSIBLE	% CONTROL EFFICIENCY	HRLY ACTUAL LBS/HOUR	ANNUAL EMISSIONS (LBS/YEAR) ACTUAL	IOx	PERMISSIBLE
MIST	(085) NY090-00-0	(086) C	(087)	(088) 94	(089)	(090)	(091)	(092) .001	(093) 2.268	(094) 0	(095) 2.268

)PRIOR COMMENTS (16)BY BARTZ (17)DATE 03/31/83
EQUIP CONFORMS
OPER LEVEL 100%
OPACITY 0%
COMPLAINTS 0
DISPOSAL OK

(18)CURRENT COMMENTS (19)BY Szymanski (20)DATE 5/2/88
1. In compliance
2.
3.
4.
5.

(27)LAST INSPECTION DATE 11/9/87
(21)INSPECTION STATUS 5
(22)DATE OF NEXT ACTION / /
(23)ISSUE DATE 5/01/88
(24)EXPIRATION DATE 5/01/92
(25)CO FEE

M REP'S SIGNATURE: Carl H. Little DATE: 5/31/88

ISSUING OFFICER'S SIGNATURE: Steven J. Doleski DATE: 6/3/88
REGIONAL PERMIT ADMINISTRATOR

N.Y.S. DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF AIR

SEQ NO: 9-R-0085
RUN DATE: 12/07/87

60800 0298 0009A W I
OCATION FAC EP

CERTIFICATE TO OPERATE AN AIR CONTAMINATION SOURCE
PROCESS, EXHAUST OR VENTILATION SYSTEM UNIT
RENEWAL APPLICATION

MAY 13 1988

OWNER	FACILITY	
) WEBER-KNAPP	(6) WEBER-KNAPP CO	(11) CONFIDENTIAL STATUS: NON-CONFIDNTL
) 441 CHANDLER	(7) 441 CHANDLER	(12) APPLICATION STATUS: IN COMPLIANCE
) JAMESTOWN (4) NY	(8) JAMESTOWN (9) 14701	DATE OF LAST CHANGE: 06/14/83
) 14701	(10) REP: MICHAEL P. ALLETTE, V.P.	PRIOR CO ISSUE DATE: 05/01/83
		PRIOR CO EXPIRATION DATE: 05/01/88

ISSION POINT 0009A	(41)UTM-E: 150.6 KM.	(42)STACK HEIGHT: 25 FT.	(43)EXIT VELOCITY: 25.00 FT/SEC	(44)SIC: 3429	(45)AGENCY-CODE-1:	
	(46)UTM-N: 669.3 KM.	(47)HT ABV STRUC: 4 FT.	(48)EXIT FLOW: 1200.00 ACFM	(49)CO FEE: $50.00	(50)AGENCY-CODE-2:	
	(51)GRND ELEV: 1294 FT.	(52)STK DIAM: 12 IN.	(53)EXIT TEMP: 8 DEGR F	(54)CO CONDITIONS: 1		
IT I	(55)HOURS/DAY: 9.0	(56)DAYS/YEAR: 252	(57)% OP BY SEASON: 25 25 25 25	(58)SOURCE CODE: 1101	MACHINING (TURNING,C	
	(59)BLDG: MAIN MNFG	(60)FLOOR NAME: 1		(61)RULE 1: 212.00	(62)RULE 2:	
OCESS/UNIT SCRIPTION	(72)DESCRIPTION 1. SEMI-AUTOMATIC DRILL AND TAP MACHINE 2. USES A LIGHT CUTTING OIL ON ALUMINUM WORK					
NTROL UIPMENT	(73)TYPE: 009 ELECTRIC PRECIPITATOR	(74)MFG: ELECTRO AIR		(75)ID: 01	(76)DATE INSTALLED: 07/78	
		(77)DISPOSAL METHOD: 09 OTHER			(78)USEFUL LIFE: 30 YEARS	

R NTAMINANTS	CAS NUMBER	ENV RATING	EMISSIONS ACTUAL	UNIT	HOW DET	PERMISSIBLE	% CONTROL EFFICIENCY	HRLY ACTUAL LBS/HOUR	ANNUAL EMISSIONS (LBS/YEAR) ACTUAL	10^x	PERMISSIBLE
MIST	(085) NY090-00-0	(086) C	(087)	(088) 94	(089)	(090)	(091)	(092) .001	(093) 2.268	(094) 0	(095) 2.268

)PRIOR COMMENTS (16)BY BARTZ (17)DATE 03/31/83	(18)CURRENT COMMENTS (19)BY Szymanski (20)DATE 5/2/88	(27)LAST INSPECTION DATE 1/9/87
EQUIP CONFORMS	1. in compliance	(21)INSPECTION STATUS 5
OPER LEVEL 100%	2.	(22)DATE OF NEXT ACTION / /
OPACITY 0%	3.	(23)ISSUE DATE 5/16/88
COMPLAINTS 0	4.	(24)EXPIRATION DATE 5/01/92
DISPOSAL OK	5.	(25)CO FEE

RM REP'S SIGNATURE: Carl H. Little DATE: 5/31/88

ISSUING OFFICER'S SIGNATURE: Steven J. Doleski DATE: 6/3/88

REGIONAL PERMIT ADMINISTRATOR

N.Y.S. DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF AIR

SE NO: 9-R-0031
RUN DATE: 05/16/88

)60800 0298 00010 W I
.OCATION FAC EP

CERTIFICATE TO OPERATE AN AIR CONTAMINATION SOURCE
PROCESS, EXHAUST OR VENTILATION SYSTEM UNIT
RENEWAL APPLICATION

JUN 01 1988

OWNER	FACILITY	
) WEBER-KNAPP	(6) WEBER-KNAPP CO	(11) CONFIDENTIAL STATUS NON-CONFIDNTL
) 441 CHANDLER	(7) 441 CHANDLER	(12) APPLICATION STATUS PC/CO EXPIRED
) JAMESTOWN (4) NY	(8) JAMESTOWN (9) 14701	DATE OF LAST CHANGE 05/13/88
) 14701	(10) REP: MICHAEL P. ALLETTE, V.P.	PRIOR CO ISSUE DATE 05/01/83
		PRIOR CO EXPIRATION DATE 05/01/88

ISSION (41)UTM-E: 150.6 KM. (42)STACK HEIGHT: 26 FT. (43)EXIT VELOCITY: 17.00 FT/SEC (44)SIC: 3429 (45)AGENCY-CODE-1:
POINT (46)UTM-N: 669.3 KM. (47)HT ABV STRUC: 5 FT. (48)EXIT FLOW: 4000.00 ACFM (49)CO FEE: $50.00 (50)AGENCY-CODE-2:
00010 (51)GRND ELEV: 1294 FT. (52)STK DIAM: 26 IN. (53)EXIT TEMP: 8 DEGR F (54)CO CONDITIONS: 1

IT I (55)HOURS/DAY: 9.0 (56)DAYS/YEAR: 252 (57)% OP BY SEASON: 25 25 25 25 (58)SOURCE CODE: 1101 MACHINING (TURNING,C
(59)BLDG: MAIN MNFG (60)FLOOR NAME: 1 (61)RULE 1: 212.00 (62)RULE 2:

.OCESS/UNIT (72)DESCRIPTION 1. FOUR CUT-OFF SAW MACHINES PERFORMING CUTTING OPERATIONS
SCRIPTION 2. ON ALUMINUM EXTRUSION STOCK USING A LIGHT CUTTING OIL

NTROL (73)TYPE: 009 ELECTRIC PRECIPITATOR (74)MFG: TRION #18-203 (75)ID: 01 (76)DATE INSTALLED: 03/67
UIPMENT (77)DISPOSAL METHOD: 09 OTHER (78)USEFUL LIFE: 30 YEARS

:R		ENV	EMISSIONS				% CONTROL	HRLY ACTUAL	ANNUAL EMISSIONS (LBS/YEAR)		
:NTAMINANTS	CAS NUMBER	RATING	ACTUAL	UNIT	HOW DET	PERMISSIBLE	EFFICIENCY	LBS/HOUR	ACTUAL	10×	PERMISSIBLE
. MIST	(085) NY090-00-0	(086) C	(087) .080	(088) 01	(039) 09	(090) .080	(091)	(092) .030	(093)181.440	(094) 0	(095)131.440

5)PRIOR COMMENTS (16)BY BARTZ (17)DATE 03/31/83
. EQUIP CONFORMS
. OPER LEVEL 100%
. OPACITY 0%
. COMPLAINTS 0
. DISPOSAL OK

(18)CURRENT COMMENTS (19)BY Szymanski (20)DATE 5/25/88
1. incompliance
2.
3.
4.
5.

(27)LAST INSPECTION DATE 5/2 88
(21)INSPECTION STATUS 5
(22)DATE OF NEXT ACTION 1 1
(23)ISSUE DATE 5/01/88
(24)EXPIRATION DATE 2/01/89
(25)CO FEE

RM REP'S SIGNATURE: Carl H. Little DATE: 7/21/88

ISSUING OFFICER'S SIGNATURE: Steven J. Doleski DATE: 7/28/88
REGIONAL PERMIT ADMINISTRATOR

N.Y.S. DEPARTMENT OF VIRONMENTAL CONSERVATION
DIVISION OF AIR

SE(NO: 9-R-0086
RUN DATE: 12/07/87

60800 0298 0010A W I
OCATION FAC EP

CERTIFICATE TO OPERATE AN AIR CONTAMINATION SOURCE
PROCESS, EXHAUST OR VENTILATION SYSTEM UNIT
RENEWAL APPLICATION

MAY 13 1988

OWNER	FACILITY	
) WEBER-KNAPP	(6) WEBER-KNAPP CO	(11) CONFIDENTIAL STATUS NON-CONFIDNTL
) 441 CHANDLER	(7) 441 CHANDLER	(12) APPLICATION STATUS IN COMPLIANCE
) JAMESTOWN (4) NY	(8) JAMESTOWN (9) 14701	DATE OF LAST CHANGE 06/14/83
) 14701	(10) REP: MICHAEL P. ALLETTE, V.P.	PRIOR CO ISSUE DATE 05/01/83
		PRIOR CO EXPIRATION DATE 05/01/88

SSION	(41)UTM-E: 150.6 KM.	(42)STACK HEIGHT: 26 FT.	(43)EXIT VELOCITY: 23.00 FT/SEC	(44)SIC: 3429	(45)AGENCY-CODE-1:		
POINT	(46)UTM-N: 669.3 KM.	(47)HT ABV STRUC: 6 FT.	(48)EXIT FLOW: 1700.00 ACFM	(49)CO FEE: $50.00	(50)AGENCY-CODE-2:		
0010A	(51)GRND ELEV: 1294 FT.	(52)STK DIAM: 15 IN.	(53)EXIT TEMP: 8 DEGR F	(54)CO CONDITIONS: 1			
T I	(55)HOURS/DAY: 2.0	(56)DAYS/YEAR: 252	(57)% OP BY SEASON: 25 25 25 25	(58)SOURCE CODE: 1101	MACHINING (TURNING,C		
	(59)BLDG: MAIN MNFG	(60)FLOOR NAME: MAIN FLOOR		(61)RULE 1: 212.00	(62)RULE 2:		
OCESS/UNIT SCRIPTION	(72)DESCRIPTION 1. CUT-OFF SAW PERFORMING CUTTING OPERATIONS ON 2. ALUMINUM EXTRUSION STOCK USING A LIGHT CUTTING OIL						
NTROL UIPMENT	(73)TYPE: 099 NONE						

R NTAMINANTS	CAS NUMBER	ENV RATING	EMISSIONS ACTUAL	UNIT	HON DET	PERMISSIBLE	% CONTROL EFFICIENCY	HRLY ACTUAL LBS/HOUR	ANNUAL EMISSIONS (LBS/YEAR) ACTUAL	10×	PERMISSIBLE
MIST	(085) NY090-00-0	(086) C	(087) 1.440	(088) 01	(089) 09	(090) 1.440	(091)	(092) 1.440	(093)725.760	(094) 0	(095) 5552

)PRIOR COMMENTS (16)BY BARTZ (17)DATE 03/31/83	(18)CURRENT COMMENTS (19)BY Szymanski (20)DATE 5/2/88	(27)LAST INSPECTION DATE 1/19/87
EQUIP CONFORMS	1. In compliance	(21)INSPECTION STATUS 5
OPER LEVEL 100%	2.	(22)DATE OF NEXT ACTION / /
OPACITY 0%	3.	(23)ISSUE DATE 5/01/88
COMPLAINTS 0	4.	(24)EXPIRATION DATE 5/01/92
DISPOSAL OK	5.	(25)CO FEE

M REP'S SIGNATURE: Chas H. Little DATE: 5/31/88

ISSUING OFFICER'S SIGNATURE: Steven J. Doleski DATE: 6/3/88

REGIONAL PERMIT ADMINISTRATOR

N.Y.S. DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF AIR

SEQ NO: 9-R-0083
RUN DATE: 12/07/87

60800 0298 00050 W I
LOCATION FAC EP

CERTIFICATE TO OPERATE AN AIR CONTAMINATION SOURCE
PROCESS, EXHAUST OR VENTILATION SYSTEM UNIT
RENEWAL APPLICATION

MAY 13 1988

OWNER	FACILITY	
) WEBER-KNAPP	(6) WEBER-KNAPP CO	(11) CONFIDENTIAL STATUS NON-CONFIDNTL
) 441 CHANDLER	(7) 441 CHANDLER	(12) APPLICATION STATUS IN COMPLIANCE
) JAMESTOWN (4) NY	(8) JAMESTOWN (9) 14701	DATE OF LAST CHANGE 04/03/84
) 14701	(10) REP: MICHAEL P. ALLETTE, V.P.	PRIOR CO ISSUE DATE 05/01/83
		PRIOR CO EXPIRATION DATE 05/01/88

ISSION (41)UTM-E: 150.6 KM. (42)STACK HEIGHT: 14 FT. (43)EXIT VELOCITY: 30.00 FT/SEC (44)SIC: 3429 (45)AGENCY-CODE-1:
POINT (46)UTM-N: 669.3 KM. (47)HT ABV STRUC: 4 FT. (48)EXIT FLOW: 800.00 ACFM (49)CO FEE: $50.00 (50)AGENCY-CODE-2:
00050 (51)GRND ELEV: 1294 FT. (52)STK DIAM: 9 IN. (53)EXIT TEMP: 8 DEGR F (54)CO CONDITIONS: 1

IT I (55)HOURS/DAY: 1.0 (56)DAYS/YEAR: 252 (57)% OP BY SEASON: 25 25 25 25 (58)SOURCE CODE: 1101 MACHINING (TURNING,C
(59)BLDG: MAIN MFG (60)FLOOR NAME: 1 (61)RULE 1: 212.00 (62)RULE 2:

OCESS/UNIT (72)DESCRIPTION 1. EXHAUST USED TO EVAC SMOKE GENERATED BY COOLING OIL
SCRIPTION 2. USED TO COOL BITS ON TWO DRILL PRESSES
3. COOLING OIL DISPENSED FROM SMALL HAND HELD OIL CANS

NTROL (73)TYPE: 099 NONE
UIPMENT

R NTAMINANTS	CAS NUMBER	ENV RATING	EMISSIONS ACTUAL	UNIT	HOW DET	PERMISSIBLE	% CONTROL EFFICIENCY	HRLY ACTUAL LBS/HOUR	ANNUAL EMISSIONS (LBS/YEAR) ACTUAL	10×	PERMISSIBLE
MIST	(085) NY090-00-0	(086) C	(087)	(088) 94	(089)	(090)	(091)	(092) .001	(093) .252	(094) 0	(095) .252

5)PRIOR COMMENTS (16)BY BARTZ (17)DATE 03/31/83	(18)CURRENT COMMENTS (19)BY Szymanski (20)DATE 5/2/88	(27)LAST INSPECTION DATE 1/9/87
. EQUIP CONFORMS	1. in compliance	(21)INSPECTION STATUS 5
. OPER LEVEL 100%	2.	(22)DATE OF NEXT ACTION / /
. OPACITY 0%	3.	(23)ISSUE DATE 5/10/88
. COMPLAINTS 0	4.	(24)EXPIRATION DATE 5/10/92
. DISPOSAL OK	5.	(25)CO FEE

RM REP'S SIGNATURE: Carl H. Little DATE: 5/31/88

ISSUING OFFICER'S SIGNATURE: Steven J. Dolecki DATE: 6/3/88
REGIONAL PERMIT ADMINISTRATOR

N.Y.S. DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF AIR

SEQNC NO: 9-R-0084
RUN DATE: 12/07/87

)60800 0298 00051 W I
OCATION FAC EP

CERTIFICATE TO OPERATE AN AIR CONTAMINATION SOURCE
PROCESS, EXHAUST OR VENTILATION SYSTEM UNIT
RENEWAL APPLICATION

MAY 13 1988

OWNER	FACILITY	
) WEBER-KNAPP	(6) WEBER-KNAPP CO	(11) CONFIDENTIAL STATUS NON-CONFIDNTL
) 441 CHANDLER	(7) 441 CHANDLER	(12) APPLICATION STATUS IN COMPLIANCE
) JAMESTOWN (4) NY	(8) JAMESTOWN (9) 14701	DATE OF LAST CHANGE 04/03/84
) 14701	(10) REP: MICHAEL P. ALLETTE, V.P.	PRIOR CO ISSUE DATE 05/01/83
		PRIOR CO EXPIRATION DATE 05/01/88

ISSION (41)UTM-E: 150.6 KM. (42)STACK HEIGHT: 26 FT. (43)EXIT VELOCITY: 45.00 FT/SEC (44)SIC: 3429 (45)AGENCY-CODE-1:
POINT (46)UTM-N: 669.3 KM. (47)HT ABV STRUC: 6 FT. (48)EXIT FLOW: 1200.00 ACFM (49)CO FEE: $50.00 (50)AGENCY-CODE-2:
00051 (51)GRND ELEV: 1294 FT. (52)STK DIAM: 9 IN. (53)EXIT TEMP: 8 DEGR F (54)CO CONDITIONS: 1

IT I (55)HOURS/DAY: 3.0 (56)DAYS/YEAR: 252 (57)% OP BY SEASON: 25 25 25 25 (58)SOURCE CODE: 1203 DEGREASING AND CLEAN
(59)BLDG: MAIN MANUFACTURING (60)FLOOR NAME: FIRST FLOOR (61)RULE 1: 212.00 (62)RULE 2:

OCESS/UNIT (72)DESCRIPTION 1. SOLVENT CLEANING OF DIES AND DIE BLOCKS
SCRIPTION 2. USING SAFETY SOLVENT IN A PARTS WASHING STATION

NTROL (73)TYPE: 099 NONE
UIPMENT

R NTAMINANTS	CAS NUMBER	ENV RATING	EMISSIONS ACTUAL	UNIT	HOW DET	PERMISSIBLE	% CONTROL EFFICIENCY	HRLY ACTUAL LBS/HOUR	ANNUAL EMISSIONS (LBS/YEAR) ACTUAL	10X	PERMISSIBLE
ERAL SPIRITS	(085) 08032-32-4	(086) C	(087) .860	(088) 01	(089) 05	(090) .860	(091)	(092) .860	(093)650.160	(094) 0	(095)650.160

)PRIOR COMMENTS (16)BY BARTZ (17)DATE 03/31/83
EQUIP CONFORMS
OPER LEVEL 100%
OPACITY 0%
COMPLAINTS 0
DISPOSAL OK

(18)CURRENT COMMENTS (19)BY Szymanski (20)DATE 5 12 88
1. In compliance
2.
3.
4.
5.

(27)LAST INSPECTION DATE 1/9/87
(21)INSPECTION STATUS 5
(22)DATE OF NEXT ACTION / /
(23)ISSUE DATE 5/01/88
(24)EXPIRATION DATE 5/01/92
(25)CO FEE

IM REP'S SIGNATURE: Carl H. Little DATE: 5/3/88

ISSUING OFFICER'S SIGNATURE: Stephen J. Doleski
REGIONAL PERMIT ADMINISTRATOR
DATE: 6/3/88

LOCATION	FACILITY	EMISSION POINT
6 0 8 0 0	0 2 9 8 0 0	0 5 2 1

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

RECEIVED

COPIES:
WHITE - ORIGINAL
WHITE - DIVISION OF ...
WHITE - REGIONAL OFFICE
WHITE - FIELD REP
YELLOW - APPLICANT

A ADD
C CHANGE
D DELETE

READ INSTRUCTIONS CONTAINED IN FORM 76-11-12 BEFORE ANSWERING ANY QUESTION

PROCESS, EXHAUST OR VENTILATION SYSTEM

APPLICATION FOR PERMIT TO CONSTRUCT OR CERTIFICATE TO OPERATE

N.Y.S. ENVIRONMENTAL CONSERVATION REGION 9

CO-9-0608-00087/00001
DC 90-87-0691

1. NAME OF OWNER/FIRM: WEBER KNAPP COMPANY
2. NUMBER AND STREET ADDRESS: 441 CHANDLER STREET
3. CITY-TOWN-VILLAGE: JAMESTOWN
4. STATE: N.Y.
5. ZIP: 14701
6. OWNER CLASSIFICATION: A ☐ COMMERCIAL B ☐ INDUSTRIAL C ☐ UTILITY D ☐ FEDERAL E ☐ STATE F ☐ MUNICIPAL G ☐ EDUC. INST. H ☐ HOSPITAL I ☐ RESIDENTIAL J ☐ OTHER
7. NAME & TITLE OF OWNERS REPRESENTATIVE: CARL H. LITTLE ~~DIRECTOR OF ENGINEERING~~
8. TELEPHONE: (716) 484-9135
9. NAME OF AUTHORIZED AGENT:
10. TELEPHONE:
11. NUMBER AND STREET ADDRESS:
12. CITY-TOWN-VILLAGE:
13. STATE:
14. ZIP:
15. NAME OF P.E. OR ARCHITECT PREPARING APPLICATION:
16. N.Y.S. P.E. OR ARCHITECT LICENSE NO.:
17. TELEPHONE:
18. SIGNATURE OF OWNERS REPRESENTATIVE OR AGENT WHEN APPLYING FOR A PERMIT TO CONSTRUCT: Carl H. Little
19. FACILITY NAME (IF DIFFERENT FROM OWNER/FIRM):
20. FACILITY LOCATION (NUMBER AND STREET ADDRESS): 441 CHANDLER STREET
21. CITY-TOWN-VILLAGE: JAMESTOWN
22. ZIP: 14701
23. BUILDING NAME OR NUMBER: MAIN MANUFACTURING
24. FLOOR NAME OR NUMBER: N/A
25. START UP DATE: 7 / 87 (MO / YR)
26. DRAWING NUMBERS OF PLANS SUBMITTED: U118P-1403385 Drw # 00052
27. PERMIT TO CONSTRUCT: A ☒ NEW SOURCE B ☐ MODIFICATION
28. CERTIFICATE TO OPERATE: A ☐ NEW SOURCE B ☐ MODIFICATION C ☒ EXISTING SOURCE

29. EMISSION POINT ID.	30. GROUND ELEVATION (FT.)	31. HEIGHT ABOVE STRUCTURES (FT.)	32. STACK HEIGHT (FT.)	33. INSIDE DIMENSIONS (IN.)	34. EXIT TEMP. (°F)	35. EXIT VELOCITY (FT/SEC)	36. EXIT FLOW RATE (ACFM)	37. SOURCE CODE	38. HRS/DAY	39. DAYS/YR	40. % OPERATION BY SEASON Winter	Spring	Summer	Fall
00052	1292	7	35	8	70	48	1000	2401	1	250	25	25	25	25

41. DESCRIBE PROCESS OR UNIT:
Fumes from a number 90 crucible are captured as molten metal is poured from the crucible into a sand mold. Metal is poured for less than 1 hr/ 9 hr. day or about 10% of the day.

EMISSION CONTROL EQUIPMENT I.D.	CONTROL TYPE	MANUFACTURER'S NAME AND MODEL NUMBER	DISPOSAL METHOD	DATE INSTALLED MONTH / YEAR	USEFUL LIFE
42. 52	43. 08	44. American Air Filter Fabri-Pulse	45. 2	46. 2 / 87	47. 10
48.	49.	50. Dust Collector, Size 42 Design M Mod. 2	51.	52. /	53.

CALCULATIONS

Production weight by production records.
- A. Brass - 50 tons/year - o.2 ton/day
- B. Bronze - 100 tons/year - 0.4 ton/day
- C. Aluminum - 50 tons/year - 0.2 ton/day

Particulate Emission Factors
("Public Health Publication No. 999-AD-42)

Emission Rate Potentials
- Copper: ((.2 tn/dy x.7)+(.4 tn/day x .83))x3.9 lb/tn x 10% = 0.18 lb/hr
- Zinc : ((.2 tn/dy x.3)+(.4 tn/dy x .07))x3.9 lb/tn x10% = 0.03 lb/hr
- Lead : (.4 tn/dy x.06)x3.9 lb/tn x 10% = 0.009 lb/hr
- Tin : (.4 tn/dy x.04)x3.9 lb/tn x 10% = 0.006 lb/hr
- Aluminum: .2 tn/dy x 1.9 lb/tn x 10% = 0.038 lb/hr

Bronze-83% copper,4% tin, 6% lead, 7% zinc Tin - .00006 lb/hr; Aluminum - .00038 lb/hr

	CONTAMINANT NAME	CAS NUMBER	INPUT OR PRODUCTION	UNIT	ENV. RATING	EMISSIONS ACTUAL	EMISSIONS UNIT	EMISSIONS HOW DET	EMISSIONS PERMISSIBLE	% CONTROL EFFIC'CY	HOURLY EMISSIONS (LBS/HR) ERP	HOURLY EMISSIONS (LBS/HR) ACTUAL	ANNUAL EMISSIONS (LBS/YR) ACTUAL	ANNUAL EMISSIONS (LBS/YR) 10^x	ANNUAL EMISSIONS (LBS/YR) PERMISSIBLE
54.	~~COPPER~~ lead	55. 07439-92-1	56. ~~105~~	57. 1	58. A	59. ~~.09~~ .001	60. 2	61. 6	62. .09	63. 99	64. ~~.009~~ 0.18	65. .001 ~~0.002~~	66. .02 ~~0.5~~	67. 0	68. 250
69.	ZINC	70. 07440-66-6	71. 20	72. 1	73.	74. 0.001	75. 20	76. 6		78. 99	79. 0.03	80. 0.0003	81. 0.75	82. -1	83.
84.	~~LEAD~~ copper	85. 07440-50-8	86. 105	87. 1	88.	89. 0.0001	90. 20	91. 6	92.	93. 99	94. .18 0.009	95. .002 ~~0.00009~~	96. .5 ~~0.23~~	97. 0	98.
99.	TIN	100. 07440-31-5	101. 3.5	102. 1	103.	104. 0.0001	105. 20	106. 6	107	108. 99	109. 0.006	110. .001 0.00006	111. 0.15	112. -1	113.
114.	ALUMINUM	115. 07424-90-5	116. 44	117. 1	118.	119. 0.001	120. 20	121. 6	122.	123. 99	124. 0.038	125. .001 0.00038	126. 0.95	127. -1	128.
129.	Total	130. NY079-00-0	131.	132.	133. B	134.	135. 20	136.	137. .05	138.	139.	140.	141. .22	142. 0	143. 107

SOLID FUEL TYPE	SOLID FUEL TONS/YR	SOLID FUEL %S	OIL TYPE	OIL THOUSANDS OF GALLONS/YR	OIL %S	GAS TYPE	GAS THOUSANDS OF CF/YR	GAS BTU/CF	APPLICABLE RULE	APPLICABLE RULE
144.	145.	146.	147.	148.	149	150	151.	152.	153. 212	154.

1 completion of construction sign the statement listed below and forward to the appropriate field representative

PROCESS, EXHAUST OR VENTILATION SYSTEM HAS BEEN CONSTRUCTED AND WILL BE OPERATED IN ACCORDANCE WITH STATED CIFICATIONS AND IN CONFORMANCE WITH ALL PROVISIONS OF EXISTING REGULATIONS.

155. SIGNATURE OF AUTHORIZED REPRESENTATIVE OR AGENT: Carl R. Little DATE: 4/13/88

156. LOCATION CODE	157. FACILITY ID. NO.	158. U.T.M. (E)	159. U.T.M. (N)	160. SIC NUMBER	161. DATE APPL. RECEIVED	162. DATE APPL. REVIEWED	163. REVIEWED BY:
060800	0298	~~1~~ 506 ~~3~~	6643	3429	6/25/87	7/2/87	T-Szymanski

PERMIT TO CONSTRUCT Jw/M

164. DATE ISSUED	165. EXPIRATION DATE	166. SIGNATURE OF APPROVAL	167. FEE
08/27/87	7/01/88	Richard P. Sweeney	

168.
1. DEVIATION FROM APPROVED APPLICATION SHALL VOID THIS PERMIT
2. THIS IS NOT A CERTIFICATE TO OPERATE
3. TESTS AND/OR ADDITIONAL EMISSION CONTROL EQUIPMENT MAY BE REQUIRED PRIOR TO THE ISSUANCE OF A CERTIFICATE TO OPERATE

RECOMMENDED ACTION RE: C.O. Jw/M

169. DATE ISSUED	170. EXPIRATION DATE	171. SIGNATURE OF APPROVAL	172. FEE
05/23/88	2/01/89	Steven J. Waleski	

173.
1. [X] INSPECTED BY T-Szymanski DATE 5-2-88
2. [ ] INSPECTION DISCLOSED DIFFERENCES AS BUILT VS. PERMIT, CHANGES INDICATED ON FORM
3. [X] ISSUE CERTIFICATE TO OPERATE FOR SOURCE AS BUILT
4. [ ] APPLICATION FOR C.O. DENIED _____ (DATE) _____ (INITIALED)

AGENCY USE ONLY

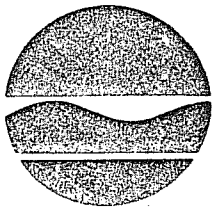
174. SPECIAL CONDITIONS:

1. None	2.
3.	4.
5.	6.
7	8.

12-3 (10-79)

New York State Department of Environmental Conservation

Division of Regulatory Affairs - Region 9
600 Delaware Avenue, Buffalo, New York 14202-1073
716/847-4551



Henry G. Williams
Commissioner

PERMIT TRANSMITTAL LETTER JUL 23 1987

Dear Permittee:

Enclosed is your permit which was issued in accordance with applicable provisions of the Environmental Conservation Law. The permit is valid for only that project, activity or operation expressly authorized. If modifications are desired after permit issuance, you must submit the proposed revisions and receive written approval from the Permit Administrator prior to initiating any change. If the Department determines that the modification represents a material change in the scope of the authroized project, activity, operation or permit conditions, you will be required to submit a new application for permit.

PLEASE REVIEW ALL PERMIT CONDITIONS CAREFULLY, INCLUDING ANY MONITORING REQUIREMENTS AND/OR COMPLIANCE SCHEDULE THAT MAY BE REQUIRED. IN PARTICULAR, IDENTIFY YOUR INITIAL RESPONSIBILITIES UNDER THIS PERMIT IN ORDER TO ASSURE TIMELY ACTION AND AVOID LATE REPORTING IF REQUIRED. SINCE FAILURE TO COMPLY PRECISELY WITH PERMIT CONDITIONS MAY BE TREATED AS A VIOLATION OF THE ENVIRONMENTAL CONSERVATION LAW, YOU ARE REQUESTED TO PROVIDE A COPY OF THE PERMIT TO THE PROJECT CONTRACTOR, FACILITY OPERATOR, AND OTHER PERSONS DIRECTLY RESPONSIBLE FOR PERMIT IMPLEMENTATION (IF ANY).

If you have any questions regarding the administrative processing of this permit or request for modification, please contact this office at the above address.

Respectfully,
Steven J. Doleski
Regional Permit Administrator

Attachment(s) SPDES NY 0003387

cc: R9DW

SPDES PERMIT FACT SHEET

Prepared by James M. Harrington Date March 3, 1987

Company Weber Knapp Permit No. NY 000 3387

cation Jamestown (C), Chautauqua County Industrial Code No. 3471

Industrial Segment Metal Finishing Part No. 433

pe of Processing & Production Rate:

NA

Basis for Technology Effluent Limitations:

NA

Parameter	Basis for Permit Conditions

Outfall No. 004 ; Process Discharge; Nominal Flow 67,600 gpd

Aluminum, Total	BPJ
Chromium, Total	BAT
Chromium, Hexavalent	BPJ
Copper, Total	WQ
Cyanide, Amenable	BAT
Fluoride	BPJ
Nickel, Total	BAT
Zinc, Total	BAT
Solids, Total Suspended	BPJ
Temperature	Thermal Criteria
pH	BAT
Oil and Grease	BPJ
Chlorine Residual	BPJ

91-20-2 (9/85)

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

State Pollutant Discharge Elimination System (SPDES)
DISCHARGE PERMIT
Special Conditions (Part 1)

Industrial Code: 3471
Discharge Class (CL): 3
Toxic Class (TX): 2
Major D.B.: 2
Sub D.B.: 02

Facility ID Number: NY- 000 3387
UPA Tracking Number: 90-87-0042
Effective Date (EDP): EDP 9/1/87
Expiration Date (ExDP): EDP + 5 years 9/1/92
Modification Date(s):
Attachment(s): *General Conditions (Part II,* 2/85)

This SPDES permit is issued in compliance with Title 8 of Article 17 of the Environmental Conservation Law of New York State and in compliance with the Clean Water Act, as amended, (33 U.S.C. §1251 et. seq.) (hereinafter referred to as "the Act").

Attn: Mr. Stein J. Hjemdahl-Monsen

Permittee Name: Weber Knapp Company

Street: 441 Chandler Street

City: Jamestown State: NY Zip Code: 14701

is authorized to discharge from the facility described below:

Facility Name: Weber Knapp Main Manufacturing Facility

Location (C,T,V): Jamestown (C) County: Chautauqua

Mailing Address (Street): 441 Chandler Street

Mailing Address (City) Jamestown State: NY Zip Code: 14701

from Outfall No. 004 at: Latitude 42°06'00" & Longitude 79°13'30"

into receiving waters known as: Chadakoin River, Class C

and: (list other Outfalls, Receiving Waters & Water Classification)

006 Chadakoin River C

in accordance with the effluent limitations, monitoring requirements and other conditions set forth in this permit.

This permit and the authorization to discharge shall expire on midnight of the expiration date shown above and the permittee shall not discharge after the expiration date unless this permit has been renewed, or extended pursuant to law. To be authorized to discharge beyond the expiration date, the permittee shall apply for permit renewal as prescribed by Sections 17-0803 and 17-0804 of the Environmental Conservation Law and Parts 621, 752, and 755 of the Departments' rules and regulations.

PERMIT ADMINISTRATOR	DATE ISSUED	ADDRESS
Steven J. Doleski	7/23/91	600 Delaware Avenue Buffalo, NY 14202-1073

Distribution:
R9DW
BWFD-TSS
Dr. Baker-EPA, Reg. II
Dr. Spear, EPA, NJ
Chaut. Co. H.D.
ORVWSE
Pitt COE

SIGNATURE

PART I EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

During the Period Beginning EDP 9/1/87

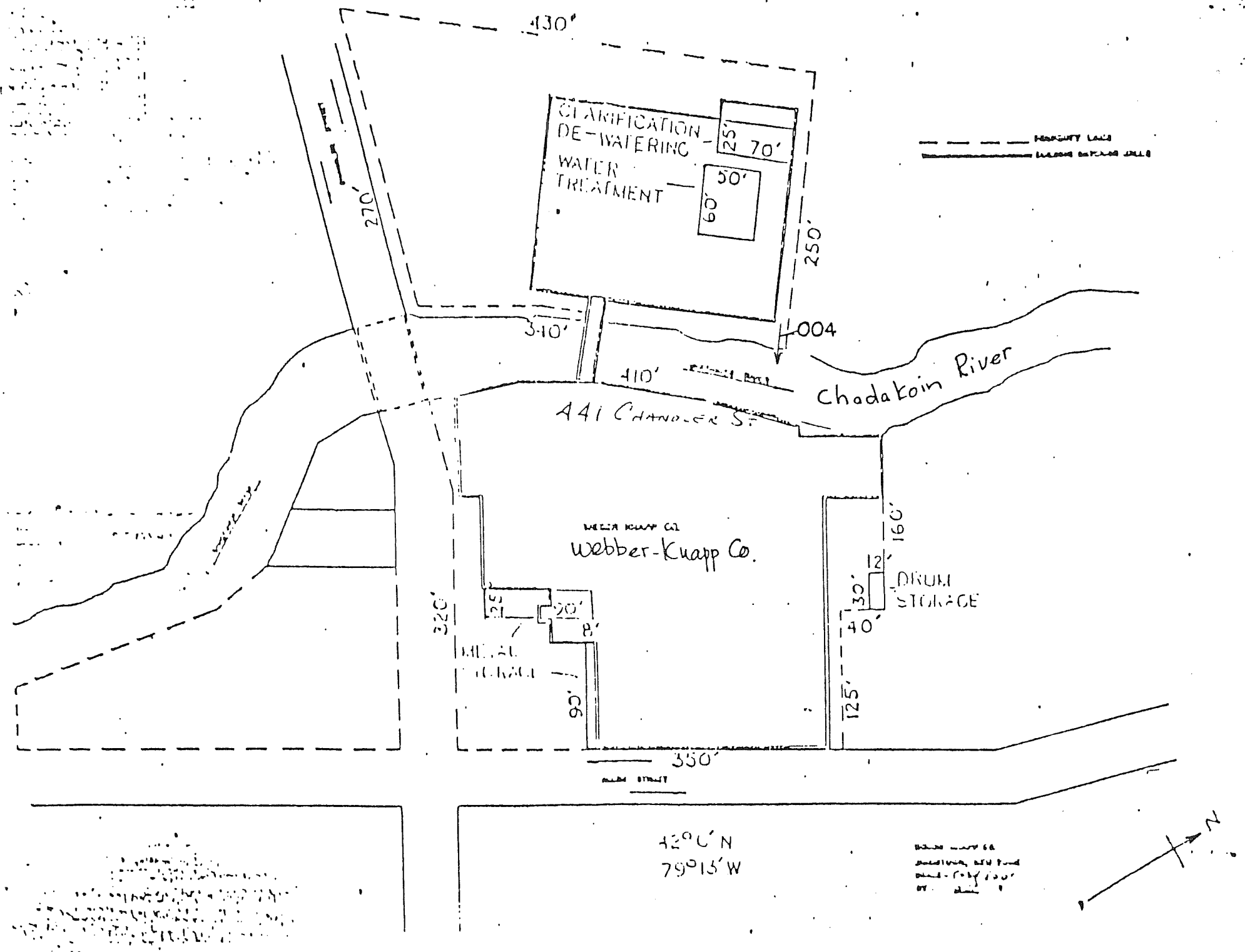
and lasting until 5 Years from EDP 9/1/92

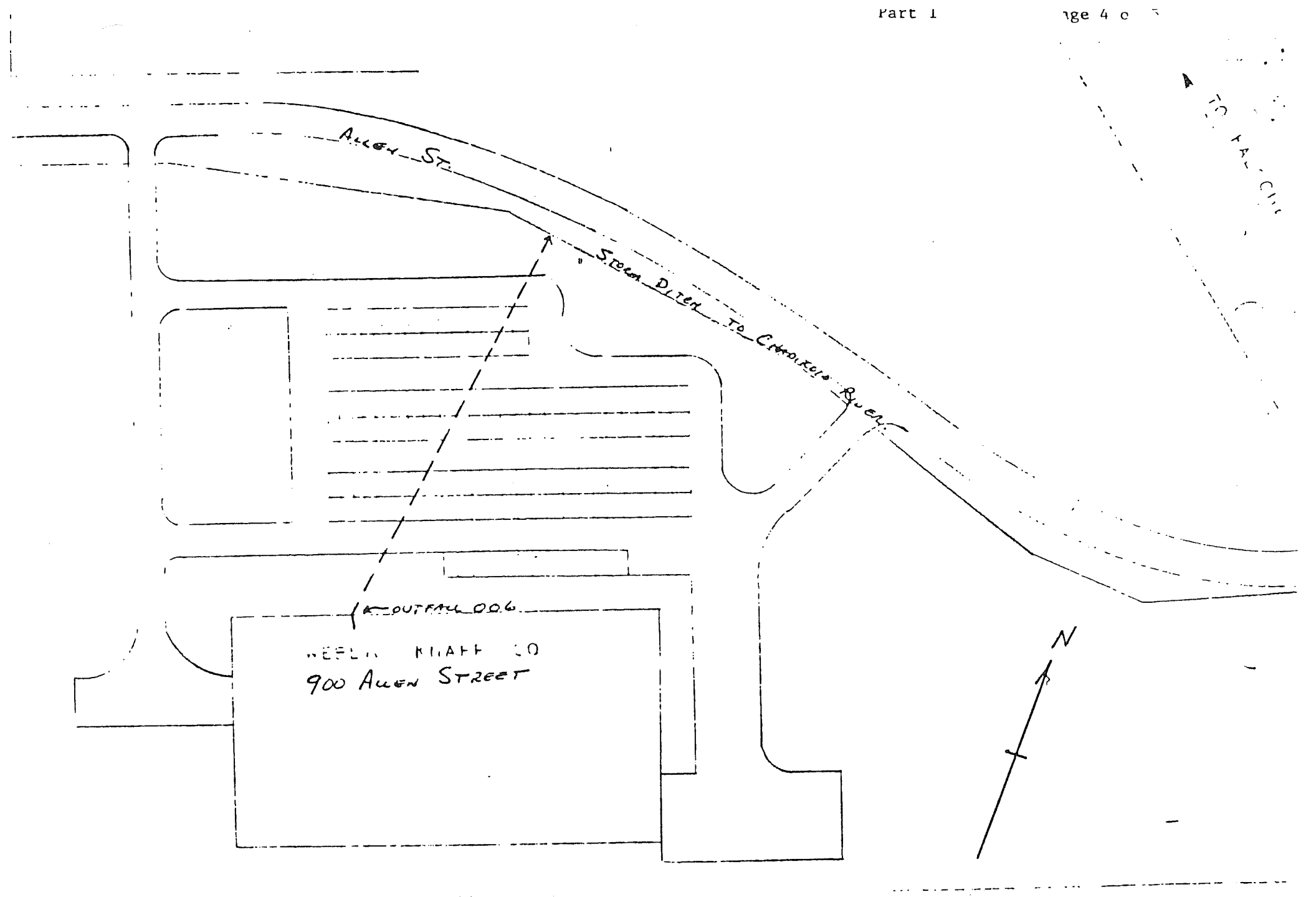
the discharges from the permitted facility shall be limited and monitored by the permittee as specified below:

Outfall Number & Effluent Parameter	Discharge Limitations Daily Avg.	Daily Max.	Units	Minimum Monitoring Requirements Measurement Frequency	Sample Type
004 Process					
Flow	NA	Monitor	gpd	Continuous	Recorded
Aluminum, Total	NA	2.26	lbs/day	Monthly	24 hr composite
Chromium, Total	NA	1.56	lbs/day	Monthly	24 hr composite
Chromium, Hexavalent	NA	.12	lbs/day	Monthly	24 hr composite
Copper, Total	NA	.94	lbs/day	Monthly	24 hr composite
Cyanide, Amenable	NA	.49	lbs/day	Monthly	24 hr composite
Fluoride	NA	16.9	lbs/day	Monthly	24 hr composite
Nickel, Total	NA	2.23	lbs/day	Monthly	24 hr composite
Zinc, Total	NA	1.47	lbs/day	Monthly	24 hr composite
Solids, Total Suspended	NA	22.6	lbs/day	Monthly	24 hr composite
Temperature	NA	90	°F	Monthly	Grab
pH (Range) 6.0 - 9.0			SU	Monthly	Grab
*Oil and Grease	NA	15	mg/l	Quarterly	Grab
*Chlorine Residual	NA	.1	mg/l	Quarterly	Grab

*These limits shall apply prior to admixture with cooling water

006 Cooling Water					
Flow	NA	Monitor	gpd	Continuous	Recorded
Temperature	NA	90	°F	Monthly	Grab
pH (Range) 6.0 - 9.0			SU	Monthly	Grab


430'
CLARIFICATION
DE-WATERING
WATER
TREATMENT
25'
70'
50'
60'
250'
270'
340'
004
410'
Chadakoin River
441 CHANDLER ST.
Webber-Knapp Co.
160'
12'
30'
DRUM
STORAGE
40'
125'
320'
25'
20'
8'
90'
350'
42°6' N
79°15' W
N


ALLEN ST.
STORM DITCH TO CHEROKEE RIVER
OUTFALL 006
WEEKS MIAMI CO
900 ALLEN STREET
N

NITORING, RECORDING AND REPORTING

a) The permittee shall also refer to the General Conditions (Part II) of this permit for additional information concerning monitoring and reporting requirements and conditions.

b) The monitoring information required by this permit shall be:

☐ Summarized, signed and retained for a period of three years from the date of sampling for subsequent inspection by the Department or its designated agent.

☒ Summarized and reported by submitting completed and signed Discharge Monitoring Report forms once every 1 month(s) to the locations specified below. Blank forms available at department offices listed below.

The first report will be due no later than _____

Thereafter, reports shall be submitted no later than the 28th of the following month(s): each month

Department of Environmental Conservation
Regional Water Engineer

Department of Environmental Conservation
Division of Water
50 Wolf Road,
Albany, New York 12233

☒ (Applicable only if checked)

Dr. Richard Baker, Chief
Permit Administration Branch
Planning & Management Division
USEPA Region II, 26 Federal Plaza
New York, New York 10278

c) If so directed, Monthly Wastewater Treatment Plant Operator's Reports should be submitted to the Regional Engineer and County Health Department or County Environmental Control Agency specified above.

d) Monitoring must be conducted according to test procedures approved under 40 CFR Part 136, unless other test procedures have been specified in this permit.

e) If the permittee monitors any pollutant more frequently than required by the permit, using test procedures approved under 40 CFR 136 or as specified in the permit, the results of this monitoring shall be included in the calculations and recording of the data on the Discharge Monitoring Reports.

f) Calculations for all limitations which require averaging of measurements shall utilize an arithmetic mean unless otherwise specified in this permit.

g) Unless otherwise specified, all information recorded on the Discharge Monitoring Report shall be based upon measurements and sampling carried out during the most recently completed reporting period.

h) On or after April 1, 1984, any laboratory test or sample analysis required by this permit for which the State Commissioner of Health issues certificates of approval pursuant to section five hundred two of the Public health Law shall be conducted by a laboratory which has been issued a certificate of approval. Inquires regarding laboratory certification should be sent to the Laboratory Certification/Quality Assurance Group, New York State Health Department Center for Laboratories and Research, Division of Environmental Sciences, The Nelson A. Rockefeller Empire State Plaza, Albany, New York 12201.

CITY OF JAMESTOWN
DEPARTMENT OF PUBLIC WORKS

JACK O. THOMPSON, P.E.
DIRECTOR
(716) 483-7545

ANGELO J. SCALISE, P.E.
ASSISTANT DIRECTOR
(716) 483-7544

July 30, 1986

Mr. Stein J. Hjemdahl-Monsen
Weber Knapp Company
441 Chandler Street
Jamestown, New York 14701

Re: Industrial Wastewater
Discharge Permit

Dear Mr. Hjemdahl-Monsen:

Please find enclosed (Attachment 1) the Industrial Wastewater Discharge Permit governing the wastewater discharge(s) from your facility to the City of Jamestown's Publicly Owned Treatment Works (POTW). The permit establishes conditions which must be met to allow wastewater discharge to the City's sewer system. Additional conditions for sewer discharge are embodied within the City of Jamestown Sewer Use Ordinance. A copy of the Sewer Use Ordinance was previously provided. Additional copies are available upon request.

Also attached (Attachment 2) is information regarding requirements of the Resource Conservation and Recovery Act (RCRA). We are forwarding this information to all Significant Industrial Users in order to satisfy a regulatory requirement (40 CFR 403.9(f)(2)(iii)).

Please feel free to call me (483-7545) or Mr. Kevin Farmer ([315] 451-4700), of O'Brien & Gere Engineers, with any questions or comments relating to this permit.

Your continued cooperation is appreciated.

Very truly yours,

CITY OF JAMESTOWN

Jack O. Thompson

Jack O. Thompson, P.E.
Director of Public Works

Enclosure: 1. Industrial Wastewater Discharge Permit
2. RCRA Requirements

CITY OF JAMESTOWN
DEPARTMENT OF PUBLIC WORKS
INDUSTRIAL WASTEWATER DISCHARGE PERMIT

Permit Number: 011 SIC: 3829
Date Issued: 7/30/86 Expiration Date: 7/29/91

Weber-Knapp Co. is hereby issued an industrial discharge permit pursuant to Chapter 24A of the Jamestown City Code (Jamestown Sewer Use Ordinance) and also with any applicable provisions of federal or state law(s) or regulation(s). Said permit shall be effective for a period of five (5) years from the date of issuance hereof.

This permit is granted in accordance with the application filed on March 8, 1985 and in conformity with plans, specifications and other data submitted to the City in support of the above application, all of which are filed with and considered as part of this permit, together with the following named conditions and requirements.

Effective this 30th day of July, 1986
To expire the 29th day of July, 1991

_____
Director of Public Works

Compliance with the Jamestown Sewer Use Ordinance will be monitored via wastewater discharge monitoring. The City of Jamestown will monitor each Significant Industrial User (SIU) once per month. Results will be transmitted to each SIU annually, or as otherwise arranged.

For SIUs subject to Categorical Pretreatment Standards, periodic self-monitoring for assessing continued compliance shall be conducted every six months and reported in accordance with Federal Regulations (40 CFR 403.12(e)).

Monitoring locations for each SIU are established via a site visit/meeting between the City of Jamestown and the permittee. Establishment of discharge monitoring locations is contingent upon several factors, including accessibility, safety, and the fact that local standards apply to the permittee's connection to the POTW, while federal standards apply to the end of regulated process(es).

CITY OF [illegible]
WASTEWATER DISCHARGE LIMITATIONS

Parameters	Limitation*	City Monitoring Requirements (1x/mo)
Arsenic	1.00	
Barium	4.00	
Cadmium	2.00	X
Chromium (Hexavalent)	2.00	X
Chromium (Total)	4.00	X
Copper	1.70	X
Lead	1.00	X
Manganese	5.00	
Mercury	4.00 ug/l	
Nickel	2.00	
Selenium	0.20	
Silver	0.20	X
Zinc	3.00	X
Cyanide (Total)**	4.00	
Fluoride	6.00	
Phenol**	10.00	
Biochemical Oxygen Demand (5 day)		
Chemical Oxygen Demand		
Flow (MGD)		
Oil & Grease**		
pH-maximum (pH units)***		X
pH-minimum (pH units)***		X
Temperature (degrees C)***		
Total Kjeldahl Nitrogen		
Total Suspended Solids		X

X Sampling Point 003 (See Figure 1).

* Maximum concentration (mg/l) - 24 hour flow proportional composite sample, if possible or as otherwise indicated. If flow measurement not possible, then form composite of discrete grabs collected at regular time intervals.

** Should be single grab sample.

*** Measured in field.

FEDERAL WASTEWATER DISCHARGE LIMITATIONS
CHEMICAL CONSTITUENTS

Parameters	Limitation	Self Monitoring Requirements (2x/yr)
	NONE APPLY	

All analyses shall be performed in accordance with the latest edition of the following references:

STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATERS, 16th Edition, 1985; APHA, AWWA, WPCF: Washington, D.C. 20005.

METHODS FOR CHEMICAL ANALYSIS OF WATER AND WASTES, USEPA, Technology Transfer, 1976.

RIGHT OF ENTRY

The permittee shall allow duly authorized employees or representatives of the City to enter the permittee's premises for the purpose of inspection, observation, measurement, sampling, and testing in accordance with Article VIII of the Jamestown Sewer Use Ordinance.

SAMPLING MANHOLE REQUIREMENTS

If, in the opinion of the Director of Public Works, there are not adequate facilities for the acquisition of representative samples and accurate flow measurements, the Director of Public Works may require that a sampling manhole with a flow measuring device be installed by the permittee at his expense. This sampling manhole shall be approved by this office before installation. The permittee shall be responsible for all maintenance of the sampling manhole and calibration of the monitoring equipment.

SCHEDULE OF COMPLIANCE

The permittee shall comply with the following schedule if the present discharge does not conform to the effluent limitations prescribed within this permit:

a. By _____ the permittee shall have a registered Professional Engineer contact this office.

b. By _____ the permittee shall complete an engineering report and submit it to this office.

c. By _____ the permittee shall complete final plans and specifications for pretreatment facilities and submit them to this office for review and approval.

d. By _____ the permittee shall start construction of its approved pretreatment facilities.

e. By _____ the permittee shall complete construction of the pretreatment facilities.

f. By _____ the permittee shall attain operational levels required to achieve the effluent limits specified within this permit.

CHANGE IN WASTEWATER DISCHARGE

All discharges authorized herein shall comply with the terms and conditions of this permit. Any industrial facility expansions, production increases or process modifications which result in new, different or increased discharges of pollutants must be reported by submission of a new industrial waste disposal questionnaire. This permit may be modified to specify and limit any pollutants not previously limited. The discharges of any pollutant more frequently than or at a level in excess of that specified and authorized by this permit shall constitute a violation of the terms and conditions of this permit.

PERMIT MODIFICATIONS

After sufficient notice to the permittee, this permit may be modified, suspended, or revoked in whole or in part during its term for cause including, but not limited to, the following:

a. Violation of any terms or conditions of this permit.

b. A change in any condition that requires either a temporary or permanent reduction or elimination of the authorized discharge.

c. If an effluent standard is established under any state or federal law for a pollutant which is present in the discharge and such standard or prohibition is more stringent than any limitation for such pollutant in this permit.

NOTICE OF NON-COMPLIANCE

In the event the permittee does not comply with or will be unable to comply with any daily maximum effluent limitation specified in this permit due to:

1. Breakdown of industrial wastewater pretreatment equipment;

2. Accidents caused by human error or negligence; or

3. Other causes, such as acts of nature.

The permittee shall notify the operator of the Jamestown Wastewater Treatment Plant immediately by telephone so that the operator can take the necessary steps to prevent damage to the wastewater treatment processes and equipment. The Director of Public Works shall be notified in writing within five (5) days and said notification shall include the following pertinent information:

1. A description of the non-complying discharge;

2. Cause of non-compliance;

3. Anticipated time the condition of noncompliance is expected to continue, or if such condition has been corrected, the duration of the period of noncompliance;

4. Steps taken by the permittee to reduce and eliminate the non-complying discharge; and

5. Steps to be taken by the permittee to prevent recurrence of the condition of noncompliance.

Nothing in this permit shall be construed to relieve the permittee from the penalties for noncompliance of this permit for any reason subject to Article (IX) (Penalties) of the Jamestown Sewer Use Ordinance.

EPA

ACKNOWLEDGEMENT OF NOTIFICATION OF HAZARDOUS WASTE ACTIVITY

This is to acknowledge that you have filed a Notification of Hazardous Waste Activity for the installation located at the address shown in the box below to comply with Section 3010 of the Resource Conservation and Recovery Act *(RCRA)*. Your EPA Identification Number for that installation appears in the box below. The EPA Identification Number must be included on all shipping manifests for transporting hazardous wastes; on all Annual Reports that generators of hazardous waste, and owners and operators of hazardous waste treatment, storage and disposal facilities must file with EPA; on all applications for a Federal Hazardous Waste Permit; and other hazardous waste management reports and documents required under Subtitle C of RCRA.

EPA I.D. NUMBER ➤ • [illegible]

[illegible] PLANT 1
[illegible]
[illegible] PA 18701

INSTALLATION ADDRESS ➤ [illegible]
[illegible] PA 18701

EPA Form 8700-12A (4-80)

Weber Knapp Company

A Babcock International company

441 Chandler Street
Jamestown, New York 14702 0518
Telephone: 716 484 9135

January 19, 1988

New York State D.E.C.
Div. of Solid & Hazardous Waste
Manifest Section
P. O. Box 12820
Albany, NY 12212

Reference: US EPA No. NYD006015580
US EPA No. NYD000632604

Gentlemen:

Enclosed are our Generator Annual Reports for the year ending December 31, 1987, for our facilities:

Weber Knapp Company, Plant 1
441 Chandler Street
Jamestown, NY 14701
US EPA No. NYD006015580

Weber Knapp Company, Plant 2
2019 Allen Street
Falconer, NY 14733
US EPA No. NYD000632604

I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practical and I have selected the method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and environment.

Our SPDES permitted facility, NY0003387 at our Plant 1, uses chemical destruction, precipitation, pH adjustment, clarification and pressure filtration to produce a dry, clay-like waste water treatment sludge from electroplating operations. We have investigated the use of gas and electric dryers to further reduce the volume of this material. Currently, purchase and operating costs of these systems are not economically practical.

Waste solvents from our facilities are sent to treatment facilities which specialize in recovery of these materials. This is the most environmentally safe and economical method of treatment currently available to us.

We trust this report meets with your satisfaction.

Very truly yours,

Stein J. Hjemdahl-Monsen
Environmental Engineer

Enclosure

CC: J. H. Watson
C. H. Little
K. B. Johnson
S. J. Swanson

SJHM:gl

47-15-17 (10/87)—27c

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SOLID AND HAZARDOUS WASTE

GENERATOR ANNUAL REPORT

for the year ending December 31, 19 87

Page No. 1 of 6

[X] GENERATOR EPA ID NUMBER NYD 006 015 5810 OR [ ] SMALL GENERATOR [ ] EXEMPT GENERATOR

NAME	TELEPHONE NUMBER
Weber Knapp Company, Plant 1	716-484-9135

STREET
441 Chandler St.

CITY	STATE	ZIP CODE
Jamestown	NY	14701

TREATMENT, STORAGE, OR DISPOSAL FACILITY (TSDF)

EPA ID NUMBER NYD 006 015 5810

NAME	TELEPHONE NUMBER
Weber Knapp Company, Plant 1	716-484-9135

STREET
441 Chandler St.

CITY	STATE	ZIP CODE
Jamestown	NY	14701

WASTE INFORMATION

WASTE DESCRIPTION	WASTE NUMBER	HANDLING CODE	QUANTITY (in Whole Tons)
Dilute waste water rinses from electroplating operations, treated in SPDES permitted facility, NY0003387. See pages 2, 3, and 4 for waste information on waste water.	D007	T	7614

I hereby affirm under penalty of perjury that information provided on this form is true to the best of my knowledge and belief. False statements made herein are punishable as a Class A misdemeanor pursuant to Section 210.45 of the Penal Law.

PRINT OR TYPE NAME	TITLE
John H. Watson	President CEO

SIGNATURE John H. Watson DATE 1/19/88

47-15-17 (10/87)—27c

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SOLID AND HAZARDOUS WASTE

GENERATOR ANNUAL REPORT

for the year ending December 31, 19 87

[X] GENERATOR EPA ID NUMBER NYD 016 011 5810 OR [ ] SMALL GENERATOR [ ] EXEMPT GENERATOR

NAME	TELEPHONE NUMBER
Weber Knapp Company, Plant 1	716-484-9135

STREET
441 Chandler St.

CITY	STATE	ZIP CODE
Jamestown	NY	14701

TREATMENT, STORAGE, OR DISPOSAL FACILITY (TSDF)

EPA ID NUMBER NYD 080 336 241

NAME	TELEPHONE NUMBER
CECOS International, Inc.	716-282-2676

STREET
Pine Ave.

CITY	STATE	ZIP CODE
NiagaraFalls	NY	14302

WASTE INFORMATION

WASTE DESCRIPTION	WASTE NUMBER	HANDLING CODE	QUANTITY (in Whole Tons)
Waste water treatment sludge from electroplating operations	F006	L	140
Waste foundry sand	D008	L	5

I hereby affirm under penalty of perjury that information provided on this form is true to the best of my knowledge and belief. False statements made herein are punishable as a Class A misdemeanor pursuant to Section 210.45 of the Penal Law.

PRINT OR TYPE NAME	TITLE
John H. Watson	President CEO

SIGNATURE John H. Watson DATE 1/19/88

47-15-17 (10/87)—27c

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SOLID AND HAZARDOUS WASTE

GENERATOR ANNUAL REPORT

for the year ending December 31, 19 87

Page No. 3 of 6

[X] GENERATOR EPA ID NUMBER NYD006015580 OR [ ] SMALL GENERATOR [ ] EXEMPT GENERATOR

NAME	TELEPHONE NUMBER
Weber Knapp Company, Plant 1	716-484-9135

STREET
441 Chandler St.

CITY	STATE	ZIP CODE
Jamestown	NY	14701

TREATMENT, STORAGE, OR DISPOSAL FACILITY (TSDF)

EPA ID NUMBER OHD045243706

NAME	TELEPHONE NUMBER
Envirosafe Services of Ohio, Inc.	419-726-1521

STREET
876 Otter Creek Road

CITY	STATE	ZIP CODE
Oregon,	OH	43616

WASTE INFORMATION

WASTE DESCRIPTION	WASTE NUMBER	HANDLING CODE	QUANTITY (in Whole Tons)
Waste water treatment sludge from electroplating	F006	L	46
operatins.			
Waste foundry sand	D008	L	1

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PRINT OR TYPE NAME	TITLE
John H. Watson	President CEO

SIGNATURE	DATE
John H. Watson	1/19/88

47-15-17 (10/87)—27c

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SOLID AND HAZARDOUS WASTE

GENERATOR ANNUAL REPORT

for the year ending December 31, 19 87

Page No 4 of 6

[X] GENERATOR EPA ID NUMBER NYD006011580 OR [ ] SMALL GENERATOR [ ] EXEMPT GENERATOR

NAME	TELEPHONE NUMBER
Weber Knapp Company, Plant 1	716-484-9135

STREET
441 Chandler St.

CITY	STATE	ZIP CODE
Jamestown	NY	14701

TREATMENT, STORAGE, OR DISPOSAL FACILITY (TSDF)

EPA ID NUMBER PAD059087072

NAME	TELEPHONE NUMBER
Mill Service, Inc.	412-796-1571

STREET
R. D. #1

CITY	STATE	ZIP CODE
Bulgar	PA	15019

WASTE INFORMATION

WASTE DESCRIPTION	WASTE NUMBER	HANDLING CODE	QUANTITY (in Whole Tons)
Waste water treatment sludge from electroplating operations.	F006	L	10

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PRINT OR TYPE NAME	TITLE
John H. Watson	President CEO

SIGNATURE John H. Watson DATE 1/19/88

47-15-17 (10/87)—27c

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SOLID AND HAZARDOUS WASTE

GENERATOR ANNUAL REPORT

for the year ending December 31, 19 87

[X] GENERATOR EPA ID NUMBER NYD006015580 OR [ ] SMALL GENERATOR [ ] EXEMPT GENERATOR

NAME	TELEPHONE NUMBER
Weber Knapp Company, Plant 1	716-484-9135

STREET
441 Chandler St.

CITY	STATE	ZIP CODE
Jamestown	NY	14701

TREATMENT, STORAGE, OR DISPOSAL FACILITY (TSDF)

EPA ID NUMBER OHD001926740

NAME	TELEPHONE NUMBER
Hukill Chemical Corp.	216-232-9400

STREET
7013 Krick Road

CITY	STATE	ZIP CODE
Bedford	OH	44146

WASTE INFORMATION

WASTE DESCRIPTION	WASTE NUMBER	HANDLING CODE	QUANTITY (in Whole Tons)
Waste trichloroethylene still bottoms ORM-A	F002	R	4
Waste solvent NOS	D001	R	1
Waste paint and lacquer	D001	R	1

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PRINT OR TYPE NAME	TITLE
John H. Watson	President CEO

SIGNATURE	DATE
John H. Watson	1/19/88

47-15-17 (10/87)—27c

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SOLID AND HAZARDOUS WASTE

GENERATOR ANNUAL REPORT

for the year ending December 31, 19 87

Page No 6 of 6

☒ GENERATOR EPA ID NUMBER NYD006015810 OR ☐ SMALL GENERATOR ☐ EXEMPT GENERATOR

NAME	TELEPHONE NUMBER
Weber Knapp Company, Plant 1	716-484-9135

STREET
441 Chandler St.

CITY	STATE	ZIP CODE
Jamestown	NY	14701

TREATMENT, STORAGE, OR DISPOSAL FACILITY (TSDF)

EPA ID NUMBER MID981061529 8

NAME	TELEPHONE NUMBER
Petro-Chem Processing	311-824-5840

STREET
421 Lycaste St.

CITY	STATE	ZIP CODE
Detroit	MI	48214

WASTE INFORMATION

WASTE DESCRIPTION	WASTE NUMBER	HANDLING CODE	QUANTITY (in Whole Tons)
Waste wax NOS	D001	R	1

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PRINT OR TYPE NAME	TITLE
John H. Watson	President CEO

SIGNATURE	DATE
John H. Watson	1/19/88

1/19/88

1987 Annual Waste Generation

441 Chandler St.

SPDES Waste water 18,260,470 ~~15,817,870~~ 76,146 tons

F006 Waste treatment sludge.

Mill Service	-	19,840	9.9
CECOS	-	79,429	39.7
Envirosafe	-	92,003	46.0

D008 Foundry sand

CECOS	-	9351	4.7
Envirosafe	-	957	0.5

F002 Waste trichlor

Hubill	-	8038	4.0

D001 Solvent (Mineral spirits)

Hubill	-	1151	0.6

D001 Lacquer

Hubill	-	484	0.2

D001 Wax

Petra-Chem	-	1344	0.7

2019 Allen St.

D001 Lacquer

Hubill	-	2969	1.5

Appendix F

Transformer Inventory

No PCB containing transformers are reported at this site.

PRODUCT	VENDOR	ANNUAL USAGE
Gloves:		
True Touch Sheer #34-500	American Allsafe	400 pr.
Gauntlet Kelnit	FSG Industries	1500 pr.
#6 Green Rubber #37145	J. C. Walker	24 pr.
#7 Green Rubber #37145	J. C. Walker	550 pr.
#28A Kelnit Regular	FSG Industries	672 pr.
Ladies Canvas	FSG Industries	1150 pr.
Leather Face #WX5755-S	R. Adair Co., Inc.	20 pr.
Mens Canvas	FSG Industries	3500 pr.
Plastic #HR-100	Empire State Scientific	2 rolls (100/ro
Blue Plastic Mens Large	FSG Industries	162 pr.
Platers Rubber #19-938X	FSG Industries	528 pr.
#8 Green Rubber #37145	J. C. Walker	240 pr.
#7 Yellow Rubber #36124	J. C. Walker	24 pr.
White Cotton Ladies #751	FSG Industries	6696 pr.
#8164 Alum. LH	Watson Sales	2 pcs.
#8164 Alum. RH	Watson Sales	2 pcs.
Safety Supplies:		
Aprons #9AP	FSG Industries	70 pcs.
Aprons 29 x 17	Protective Equipment Supply	24 pcs.
Aprons #4936 Acitex	Watson Sales	200 pcs.
Finger Cots-#1 Small	Hauser Products	300 pcs.
Finger Cots-#2 Med.	Hauser Products	200 pcs.
Finger Cots-#3 Large	Hauser Products	288 pcs.
Finger Cots-#840 Large	Watson Sales	1200 pcs.

Safety Supplies continued:

Aprons Aluminized	R. Adair Co., Inc.	3 pcs.
Peltor H9A Earmuff	Watson Sales	12 pcs.
Peltor H7A Earmuff	Watson Sales	12 pcs.
Allsafe 201 Goggle	American Allsafe	36 pcs.
Uvex Visitors Specs	FSG Industries	120 pcs.
AD 10B Dust/Mist Respirator	Watson Sales	240 pcs.
18-2 Face Shield	Protective Equipment	24 pcs.
Amerex 2-1/2 lb. Fire Exting.	Allen Fire Equipment	6 pcs.
Apex 500-1 Safety Glasses	American Allsafe	72 pcs.
A-O Aerosite Safety Glasses	Watson Sales	96 pcs.

Plating Chemicals:

Acid Boric	Interstate Chemical Co.	1100 lbs.
Acid Chromic Flake	Chautauqua Chemical Co.	500 lbs.
Acid Hydroflouric	Chautuaqua Chemical Co.	275 lbs.
Acid Muriatic	Chautauqua Chemical Co.	98,000 lbs.
Acid Nitric	Chautauqua Chemical Co.	50,000 lbs.
Acid Sulphuric	Chautauqua Chemical Co.	52,800 lbs.
Aqua Ammonia	Chautauqua Chemical Co.	7500 lbs.
Anodes Brass Balls	Chautauqua Chemical Co.	4400 lbs.
Anodes Copper Balls	Chautauqua Chemical Co.	3700 lbs.
Anodes Zinc Balls	Chautauqua Chemical Co.	1500 lbs.
Nickel Chips	Chautauqua Chemical Co.	10,469 lbs.
Anode Curved Container	Chautauqua Chemical Co.	30 pcs.
4 Mesh Dip Basket	Wiretex Mfg.	4 pcs.
Nickel Penetrate	Heatbath Corp.	7600 lbs.
Nickel Penetrate "L"	Heatbath Corp.	4550 lbs.

Plating Chemicals continued:

Q-585 Enthobrite	Enthone Inc.	100 gal.
Extender #253	Enthone Inc.	30 gal.
Nickel Chloride	Interstate Chemical Co.	800 lbs.
K-700 Cleaner	Chautauqua Chemical Co.	8400 lbs.
Clepo 444NP Soak	Interstate Chemical Co.	9600 lbs.
Copper Cyanide	Chautauqua Chemical Co.	7000 lbs.
Sodium Cyanide	Interstate Chemical Co.	17,000 lbs.
Zinc Cyanide	Chautauqua Chemical Co.	4900 lbs.
Enthox 992-A	Enthone Inc.	105 gal.
Enthox 992-B	Enthone Inc.	45 gal.
Nickel Sulfate	Interstate Chemical Co.	3500 lbs.
Caustic Soda Beads	Interstate Chemical Co.	500 lbs.
Metex Nickel Strip BR	MacDermid	360 lbs.
Clepo Nickel Strip 17	Interstate Chemical Co.	1000 lbs.
Stripper NP	Chautauqua Chemical Co.	42 gal.
Copper Sulfate	Chautauqua Chemical Co.	500 lbs.
Liquid Sulfur	Interstate Chemical Co.	605 lbs.
Jon Cote 614	Gierston Tool Co.	440 gal.
Jon Cote 711	Gierston Tool Co.	385 gal.
Wetting Agent 62-A	Chautauqua Chemical Co.	15 gal.
Mine Lube 1025	American Lubricants	700 lbs.
Econo Nickel 440	Interstate Chemical Co.	75 gal.
Econo Nickel 421-B	Interstate Chemical Co.	175 gal.
Econo Nickel 422-B	Interstate Chemical Co.	150 gal.
Econo Nickel 405	Interstate Chemical Co.	125 gal.
Econo Nickel Wet M	Interstate Chemical Co.	90 gal.

Plating Chemical continued:

Electrosolv	Electrochemical Co.	605 gal.
300 WB Wetting Agent	Electrochemical Co.	80 gal.
Econo Nickel 402	Interstate Chemical Co.	60 gal.

Waste Treatment Chemicals:

Sodium Bisulfite	Interstate Chemical Co.	6000 lbs.
Hydrated Lime	Chautauqua Chemical Co.	40,000 lbs.
50% Liquid Caustic	Chautauqua Chemical Co.	9000 gal.
Liquid Chlorine	Chautauqua Chemical Co.	12-1 ton cyl.
Sodium Hydrosulfite	Interstate Chemical Co.	250 lbs.
Sulphur Dioxide	Chautauqua Chemical Co.	3-150 lb. cyl.
Sodium Hypochlorite	Chautauqua Chemical Co.	1595 gal.
Ferrous Sulphate	Chautauqua Chemical Co.	4100 lbs.

Paint & Lacquers:

#2596 Dull Acrylic	Emco Finishing Products	5 gal.
XF08139 Flat Black Lacquer	Essex Specialty Products	45 gal.
#2421 Gloss Acrylic Lacquer	Emco Finishing Products	275 gal.
#2289 Clear Flat Lacquer	Emco Finishing Products	40 gal.
#2469-S Dull Black Lacquer	CMK Auto Parts	35 gal.
#2418 Satina Lacquer	Emco Finishing Products	1210 gal.
CN10974 Air Dry Lacquer	Lilly Industrial Coatings	75 gal.
#2408 Emcoloid Water Reducible Lacquer	Emco Finishing Products	825 gal.
P61W1 White Primer	Sherwin-Williams	24 gal.

Solvents:

TN2000 Thinner	Lilly Industrial Coatings	110 gal.
#2288 Reducer-Thinner	Emco Finishing Products	40 gal.
#3661-S Thinner	CMK Auto Parts	55 gal.
#150 Lacquer Thinner	Interstate Chemical Co.	605 gal.
Solvasol-Mineral Spirits	Interstate Chemical Co.	1375 gal.
Prep-Sol Solvent #3919-S	CMK Auto Parts	34 gal.

Polishing and Buffing Supplies:

9" dia. 7/8 ID Buffs	Williamsville Buff Co.	2500 pcs.
9-B-1 Adleasive Compound	Lea Mfg.	324 lbs.
Compound "F"	Stan Sax	188 lbs.
Compound FG153 Grn.	Lea Mfg.	67 lbs.
Compound 15-CE	Lea Mfg.	2500 lbs.
Compound 525/1 White Chromium	Matchless Metal Polish Co.	350 lbs.
Compound Artab #6194-18	Lea Mfg.	2000 lbs.
Rake Fillers	Regal Associates	528 pcs.
Fiberglass Filters 20 x 20 x 2	Pearl City Paint & Glass	800 pcs.
Grease Stick P-Hard	Matchless Metal Polish Co.	356 lbs.
2 x 48 80 grit polish. belt	Gierston Tool Co.	290 pcs.
2 x 48 100 grit polish. belt	" " "	250 pcs.
5/8 x 90 Z60Y polish. belt	" " "	874 pcs.
1 x 90 60Y polish. belt	" " "	800 pcs.
1 x 90 180 grit polish. belt	" " "	100 pcs.
6 x 141 Z60Y polish. belt	" " "	800 pcs.
6 x 141 60 grit-Durite polish. belt	" " "	410 pcs.
6 x 141 80J polish. belt	" " "	20 pcs.

Polishing and Buffing Supplies continued:

6 x 141 80X-Durite polish belt	Gierston Tool Co.	40 pcs.
6 x 141 100J polish. belt	" " "	230 pcs.
6 x 141 180J polish. belt	" " "	80 pcs.
8 x 107 Z60Y polish. belt	" " "	240 pcs.
8 x 107 80X polish. belt	" " "	40 pcs.
8 x 107 100X polish. belt	" " "	100 pcs.
8 x 107 180X polish. belt	" " "	100 pcs.
8 x 107 320X polish. belt	" " "	20 pcs.
3 x 132 80P polish. belt	" " "	114 pcs.
3 x 132 100P polish. belt	" " "	180 pcs.
3 x 132 120P polish. belt	" " "	150 pcs.
3 x 132 180P polish. belt	" " "	350 pcs.
3 x 132 320 grit polish. belt	" " "	50 pcs.
6 x 230 Z60Y polish. belt	" " "	270 pcs.
6 x 230 80X polish. belt	" " "	70 pcs.
6 x 230 100X polish. belt	" " "	160 pcs.
6 x 230 180X polish. belt	" " "	20 pcs.
6 x 230 320X polish. belt	" " "	20 pcs.

WEBER KNAPP COMPANY

EMERGENCY ORGANIZATION MANUAL

I. EMERGENCY ORGANIZATION

A. Members

1.	Tom Madison	Personnel Manager
2.	Glenn Ryan	Plant Engineer
3.	Stein Monsen	Pollution Control Engineer
4.	Jack Soult	Electrical Foreman
5.	Charles Johnson	Millwright Foreman
6.	Joe Leonard	Machine Room Foreman
7.	Dick Moore	Vibratory Mill Tender
8.	Dick Swanstrom	Millwright
9.	Dan Bolles	Press Operator
10.	Joe Granada	Receiving Foreman
11.	Mike Laska	Millwright
12.	Dave Walder	Inspector
13.	Ron LeBaron	Press Room Foreman
14.	Steve Swanson	Lab Supervisor
15.	Don Baker	Inspection Foreman
16.	John Gregory	Night Supervisor

I. EMERGENCY ORGANIZATION

B. Assignments

1. Proceed immediately to alarm panel and silence alarm if desired — indicator lights will stay lit. **Read alarm panel carefully and accurately.** Wait by front entrance to guide fire department to the scene.
TOM MADISON, DICK SWANSTRON, and/or DON BAKER

2. Proceed to alarm panel to determine location of the alarm. Proceed immediately to the scene to determine the nature and extent of the problem. Direct any immediate action that may be required. Stay at the scene to inform fire department of the situation.
GLENN RYAN and STEIN MONSEN

3. Stand by gas and electricity controls and prepare for emergency shut-down if necessary.
CHARLES JOHNSON and JACK SOULT

4. Immediate response at fire scene with one or two extinguishers, crowd control, assist in evacuation.
ALL OTHER MEMBERS

I. Emergency Organization

C. Functions

1. If the fire does not trigger an alarm by a sprinkler, smoke detector, or heat detector, make sure a pull station is tripped or 911 is called (9-911 can be dialed from any phone in the shop).

2. Determine the location and nature of the fire.

3. Use a few fire extinguishers if necessary. After the Fire Department arrives, let them fight the fire.

4. Keep crowd away, if necessary, to avoid smoke and fumes, and to make room for the firemen.

5. Assist in evacuation, if necessary, by department or the whole plant.

6. Guide Fire Department.

I. Emergency Organization

D. Meetings

The Emergency Organization will meet twice annually to update the members on their duties. Meetings may also include practise in the use of fire extinguishers, presentations by the Jamestown Fire Department, preparation for evacuation drills, discussion of recent emergency situations, and other related topics. A record will be kept of each meeting.

II EMERGENCY BRIEFINGS

Briefings on emergency procedures for each department are conducted on an annual basis. The briefings take about five minutes per department, and are conducted over a two-day period, covering every factory and office department.

Subjects covered include:

1. Call for help first, if alarm does not sound automatically.
   - use 9-911 or pull station
   - call for **any** fire

2. Alarm system
   - sprinkler heads, smoke detectors, heat detectors, pull stations
   - Alarm cadence - Plant 1
     - Main Plant: **beep**, pause, **beep**, pause
     - Plating Bldg: **beep, beep**, pause, **beep, beep**, pause

3. Pull station locations: all exits and stairwells.

4. Extinguisher locations for each department --- employees should be familiar so they can get an extinguisher quickly.

5. Extinguisher operation
   - Stored pressure: pull pin, squeeze handle
   - Gas cylinder: pull pin, push plunger, squeeze handle
   - CO2 or Halon: pull pin, squeeze handle

6. Evacuation
   - Members of Emergency Organization will indicate when to evacuate.
   - Take nearest exit, avoid front door.
   - Escape routes are posted in all second floor offices.
   - When out of building, meet in parding lot -- each person must report to their foreman or supervisor that they are out of the building.

III EVACUATION DRILLS

Evacuation drills are conducted on an annual basis, alternating between Plant 1 and Plant 2. The alarm is unannounced so the employees do not know for sure that it is not an actual fire. The Building Emergency Organization coordinates the evacuation and reports to the Safety Director when the building is empty.

IV ESCAPE PLANS

a Escape plans have been prepared for all areas on the **second floor** of Plant 1, consisting of offices and Sample Department. There is a primary plan and alternate plan for each area. The plans are posted in each room. (Copies of the plans are attached.)

b The rest of the company facilities consists completely of **ground level areas.** Employees in these areas are instructed to escape the building via the nearest exit, and to avoid the front door or other areas where firemen may be entering.

c The Emergency Organization assists in directing employees out of the building and searching all rooms for employees.

FRONT OFFICE AREA

PLAN #1

END

INDICATES A
MAL SMOKE
ECTOR ABOVE
CEILING

INDICATES A
T SMOKE
TECTOR

INDICATES A
E SHUT DOWN
.L BOX

INDICATES A
RMAL SMOKE
TECTOR BELOW
E CEILING

INDICATES AN
OVE CEILING
CESS PANEL

IES:

1: ZONES 2 AND 3 HAVE RIDGID CEILINGS

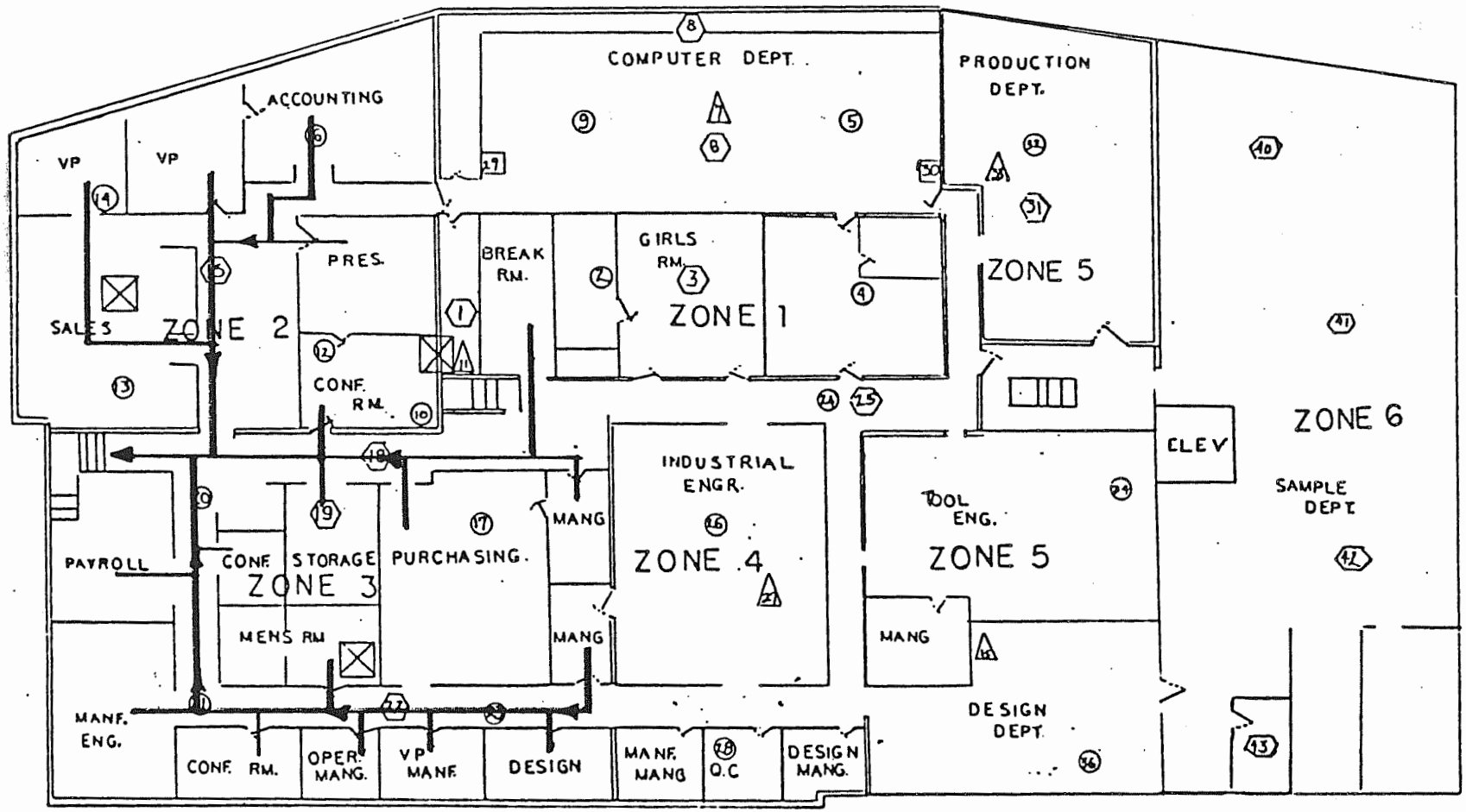
2: ZONES 1 AND 4 HAVE SUSPENDED CEILINGS

3- ZONE 6- OPEN CEILING

ER- KNAPP CO
I CHANDLER ST
MESTOWN NY
COND FLOOR
OKE DETECTOR
D FIRE SHUT
WN PULL BOX
CATION MAP

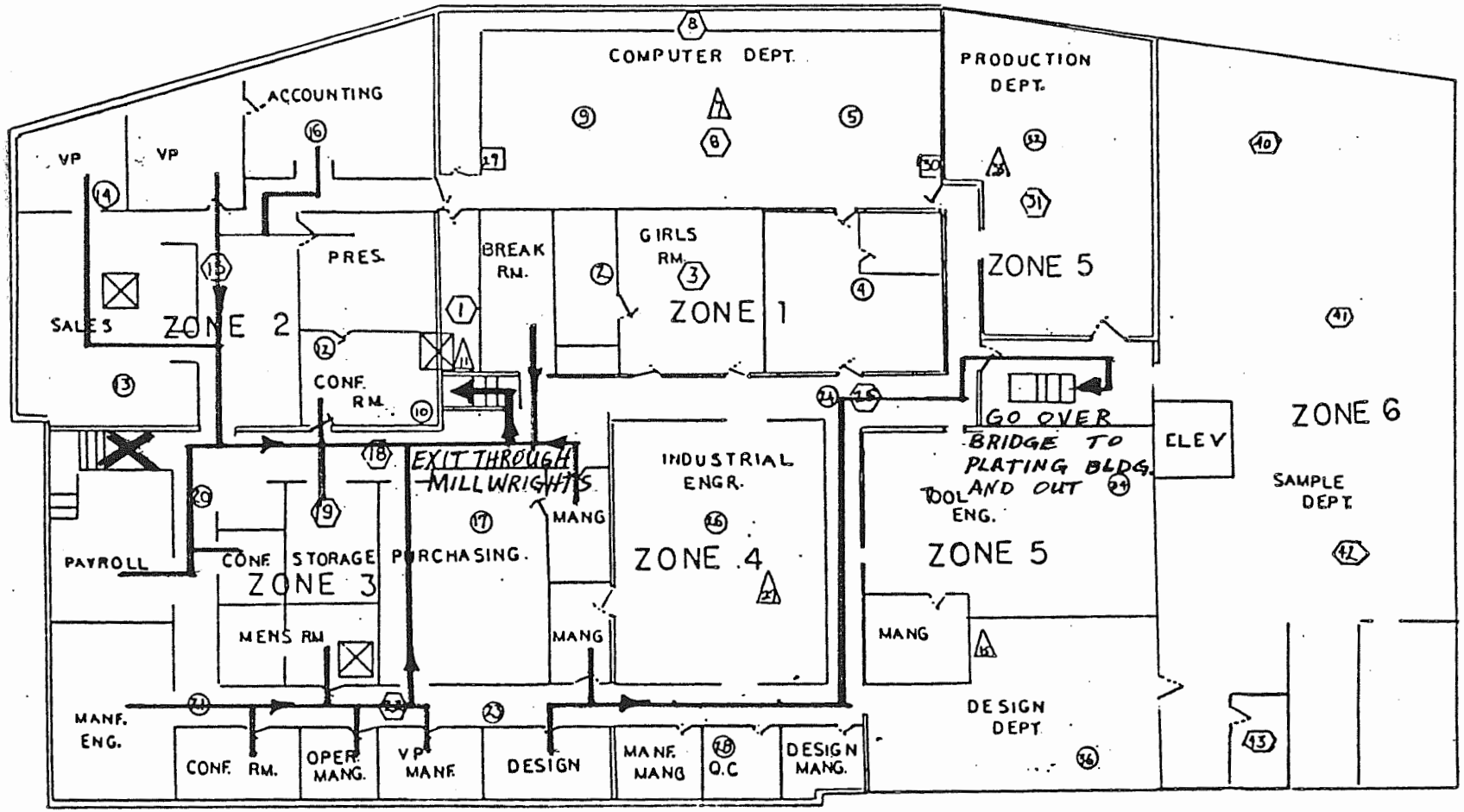
1982. Rev 7-

RIVER



FRONT OFFICE AREA
ALTERNATE PLAN

RIVER



EGEND

INDICATES A ORNAL SMOKE ETECTOR ABOVE HE CEILING

INDICATES A JCT SMOKE ETECTOR

INDICATES A IRE SHUT DOWN ULL BOX

INDICATES A ORNAL SMOKE ETECTOR BELOW HE CEILING

INDICATES AN ABOVE CEILING CCESS PANEL

OTES:

1: ZONES 2 AND 3 HAVE RIDGID CEILINGS

2: ZONES 1 AND 4 HAVE SUSPENDED CEILINGS

3- ZONE 6- OPEN EILING

EBER-KNAPP CO
41 CHANDLER ST
AMESTOWN NY
ECOND FLOOR
MOKE DETECTOR
ND FIRE SHUT
OWN PULL BOX
OCATION MAP

-1982 Ron T.

DICATES A
SMOKE
)R ABOVE
ILING
NDICATES A
MOKE
OR
INDICATES A
HUT DOWN
X
NDICATES A
SMOKE
OR BELOW
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PANEL

)NES 2 AND
HAVE RIDGID
ILINGS
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AVE
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ILINGS
NE 6- OPEN
ILING

NAPP CO
NDLER ST
OWN NY
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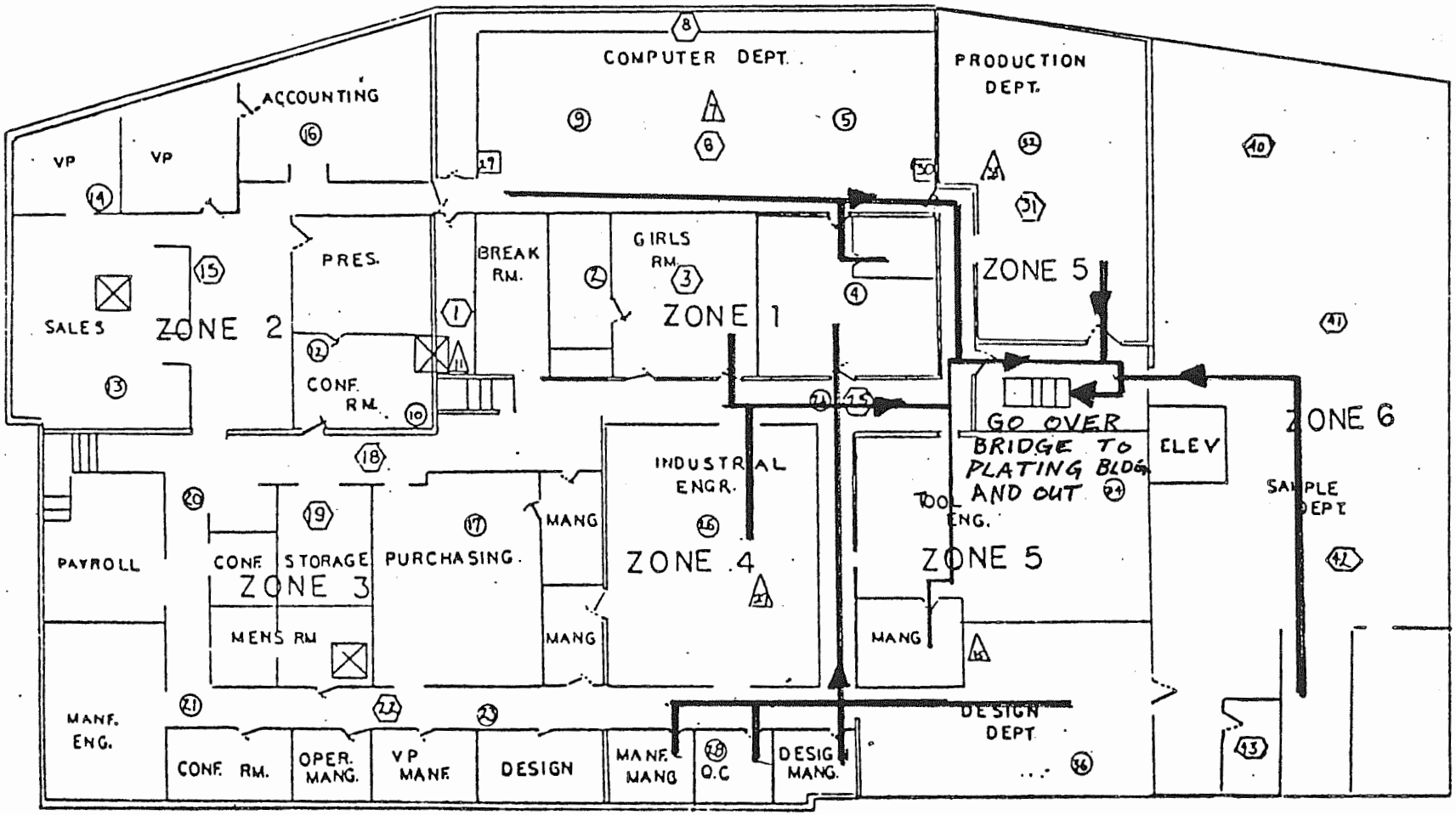
E SHUT
PULL BOX
N MAP

Rev T.

BACK OFFICE AREA
PLAN #1

RIVER



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INDICATES A
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INDICATES A
SMOKE
TOR

] INDICATES A
SHUT DOWN
BOX

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AL SMOKE
TOR BELOW
EILING

INDICATES AN
E CEILING
SS PANEL

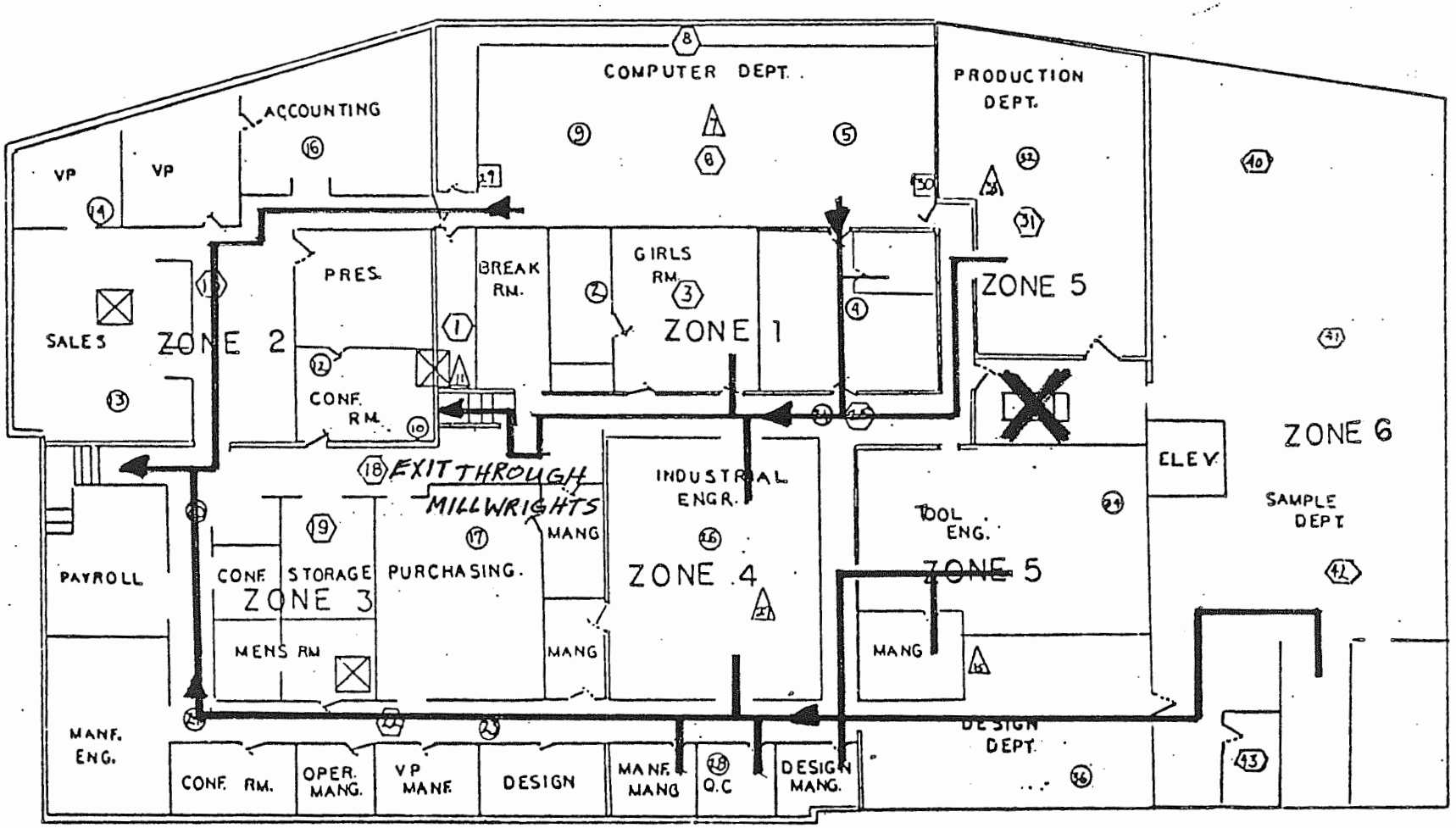
ZONES 2 AND
HAVE RIDGID
EILINGS
ZONES 1 AND
HAVE
SUSPENDED
CEILINGS
ZONE 6 - OPEN
EILING

KNAPP CO
HANDLER ST
STOWN NY
ND FLOOR
E DETECTOR
IRE SHUT
PULL BOX
ION MAP

Rev T-

BACK OFFICE AREA
ALTERNATE PLAN

RIVER



V ALARM SYSTEM

The alarm system is connected to all sprinkler systems, pull stations, smoke detectors, and heat detectors. All alarms ring in the building, are received by the local fire departments, and are monitored by an answering service (Pri-Det). The internal alarm panels indicate the zone that is affected.

a. Sprinkler system: Sprinkler heads are located throughout all facilities except the Press Room and Grinding Department. If a sprinkler head goes off, the alarm is triggered by a flow switch in the water pipe. Sprinkler heads are checked on a periodic basis by the Millwright Department and replaced as necessary.

b. Pull stations: These are located by every exit and stairwell.

c. Smoke detectors: Smoke detectors are located throughout the second floor office area of Plant 1. The alarm panel indicates the exact location of the activated detector by a digital readout. Smoke detectors are checked by the Electrical Department on an annual basis.

d. Heat detectors: These are located in the Press Room and Grinding Department.

e. Monitoring: The sprinkler systems in each plant are monitored monthly. The fire department is notified and a test valve in opened to trigger a live alarm. After the internal alarm panel is activated, it is reset. The fire department is contacted to confirm the reception of an alarm.

VI EXTINGUISHERS

Fire Extinguishers are located in all areas of the factory and office. Several types of extinguishers are used: dry chemical with stored pressure, dry chemical with CO_2 cylinder, CO_2, and Halon. There is also a 50 lb. fixed dry chemical system in the oil pit of the cut-off saws.

All extinguishers are visually checked monthly and a written record is kept.

All extinguishers are thoroughly, professionally checked on an annual basis by Allen Fire Equipment.

Extinguishers are hydrostatically tested as needed by Allen Fire Equipment.

VII UPDATING PROCEDURE

This plan will be reviewed annually by the Safety Director. Any additions or modification will be made in printed form. The new plan will be dated and will replace all previous plans.

TRAUTMAN ASSOCIATES
ARCHITECTS ENGINEERS PLANNERS

20 June 1984

Mr. Stein J. Hjemdahl-Monsen
Weber-Knapp Company
441 Chandler Street
Jamestown, New York 14701

Dear Mr. Hjemdahl-Monsen:

SPILL PREVENTION CONTROL AND
COUNTERMEASURE PLAN
TA Project 7775

The completed SPCC Plan, with our certification, is enclosed. Please have Mr. Watson sign after paragraph 8. We have kept a copy of the Plan so you don't need to send us another.

We have enjoyed assisting you with this engineering work, and invite your inquiry whenever you need professional services in architecture, or civil, structural, mechanical, or electrical engineering.

Very truly yours,

Kenneth King

Kenneth M. King, P.E.
President

EAG:dw
Encl. SPCC Plan

483-4400
TRAUTMAN KING MARKWART ASSOCIATES P.C. 369 HAMBURG STREET BUFFALO, N.Y. 14204 PHONE (716) 856-4545
PRINCIPALS: KENNETH M. KING, P.E., AICP PAUL M. MARKWART, Architect RICHARD J. STIEVATER, Architect WALLACE J. OCHTERSKI, P.E.
ASSOCIATES: Paul A. Alessi, P.E. Kevin D. Murrett, Architect
CONSULTANT: WILLIAM R. TRAUTMAN, P.E.

SPILL PREVENTION CONTROL

AND

COUNTERMEASURE PLAN

WEBER-KNAPP COMPANY
441 CHANDLER STREET
JAMESTOWN, NEW YORK 14701
(716) 484-9135

CONTACT: JOHN H. WATSON, PRESIDENT

CERTIFICATION:

ENGINEER: Kenneth M. King, P.E.

SIGNATURE: Kenneth M. King

LICENSE NUMBER: 33991 STATE: New York

DATE: 20 June 1984

TA7775

1. NAME AND OWNERSHIP:

Weber-Knapp Company
441 Chandler Street
Jamestown, New York 17401 (716) 484-9135

PRESIDENT: John H. Watson
ADDRESS: 137 East Terrace Avenue
Lakewood, New York 14750 (716) 763-9421

ALTERNATE EMERGENCY CONTACT: Stein J. Hjemdahl-Monsen
ADDRESS: 410 Charles Street
Jamestown, New York 14701 (716) 484-8556

MAINTENANCE COORDINATOR: Glen H. Ryan
204 Oak Street
Lakewood, New York 14750
(716) 763-0692

2. DESCRIPTION OF FACILITY:

Weber-Knapp manufactures hardware components for the wood and metal furniture industry as well as contract metal fabrication for several different industries.

The attached drawing shows buildings, property boundries, the Chadakoin River, adjacent streets, and oil storage facilities.

Above Grade Storage:	(1)	15,000 gal. horizontal tank, fuel oil
Underground Storage:	(1)	10,000 gal. horizontal tank, fuel oil
	(1)	3,000 gal. horizontal tank, aluminum cutting oil
In Plant:	(1)	2,000 gal. sump aluminum cutting oil

3. PAST SPILL EXPERIENCE: None

4. DESCRIPTION OF STORAGE FACILITIES:

The letter/number codes refer to the tank numbers on the Plot Plan.

P-30 15,000 gallon horizontal tank above ground. Tank size 10 ft-6 in. x 23 ft-5 in. This tank contains No. 6 fuel oil, used to fire steam boilers. The tank is mounted on three (3) concrete saddles. The entire tank is located in an enclosing structure attached to the main building. The enclosing structure serves as a dike with a holding capacity of 19,900 gallons. A capped manual valve would allow removal of the oil should a tank rupture occur. A steam heat exchanger was installed during 1983, for viscosity control of No. 6 oil. A pressure transducer level gauge was installed during 1983. The tank was purchased new March 21, 1977.

P-24 10,000 gallon horizontal tank underground storage. Tank size 8 ft x 26 ft-7 in. This tank contains No. 2 fuel oil used to fire steam boilers. The tank is mounted on a concrete base pad and buried in the ground. The tank was purchased new February 13, 1973.

X-56 3,000 gallon horizontal tank underground storage tank size 5 ft-4 in. x 18 ft. This tank contains aluminum cutting oil used to supply several extrusion cutoff saws. The tank is mounted to a concrete base and buried in the ground. The tank was purchased new March 31, 1969.

X-45 2,000 gallon concrete sump containing aluminum cutting oil. This sump is supplied from storage tank X-56 described previously. Oil from the sump is pumped to various cutoff saws through a filter. Excess oil from the saws returns to the sump, completing a closed loop. Sump was installed September 1966.

5. POTENTIAL FOR CONTAMINATION

A. Tank P-30 contains the greatest volume of oil. The potential for contamination should a leak or rupture

occur in this tank is minimal. The enclosing structure is concrete block on a concrete slab. There are no openings in the structure through which oil can escape. The access door to the storage tank is elevated above a level which is capable of holding 19,900 gallons. The fill pipe and manual drain are capped at all time when not in use. The building contains an automatic sprinkler system.

B. Tanks P-24 and X-56 could present a potential for contamination should a leak occur in one of these tanks. The soil in which the tanks are buried is of an alluvial nature, composed of gravel, sand, and silt. The tanks are mounted on concrete saddles and backfilled with gravel. Should a leak occur, the oil would disperse quickly through the soil. There exists a barrier between the oil tank and the river where the foundations of the buildings form the bank of the river.

C. Sump X-45 offers minimal potential for contamination. The sump is located inside the plant. There are no drains to the river in the vicinity. The requirement for the operator to physically maintain contact closure while filling the sump prevents the possibility of overflow. The soil under the sump is alluvial. An oil leak in the sump would disperse quickly. Oil flow to the river would be impeded by building foundations.

D. Oil pipe lines are located inside the plant building. All tank fill points are located on building north-east corner, near Allen Street. Lines are all run along walls to avoid crossing work aisles. All pumps are located inside the plant. Should a pipe leak occur, that leak would be contained within the plant and would not migrate to ground waters. There are no drains to the river in the vicinity of the oil pipe lines.

E. Filling the tanks presents the greatest potential for contamination. While we will have one of our people monitor oil transfer, we cannot insure the condition or performance of the vendor's equipment. There are two storm drains in the loading area of the oil storage tanks. Should a spill occur during oil transfer, these drains are the only path to the river as the rest of the area is covered with concrete and surrounded by building walls. The

upper trench has a four inch pipe drain which would be plugged with a rubber expansion plug to contain any spilled oil in the trench during clean up. The lower storm drain would be sandbagged with prefilled bags to minimize oil contamination and contain the oil on the concrete area during clean up. Any spill which might occur during transfer operation would be contained and picked up with oil absorbent materials. The spilled oil would be stored in steel drums and sent to an oil reclaimer.

6. SPILL PREVENTION

Tank P-30:

1. Tank is welded steel construction.

2. Venting is suitable for fill and withdrawal rates. Vent is 2-1/2 in. diameter.

3. Enclosing structure serves as a dike with 19,900 gallon holding capacity in case of rupture.

4. In case of tank rupture, oil may be transferred to an oil reclaimer's tank truck.

5. Level is read and recorded daily, using a pressure transducer level gauge, along with a monthly visual inspection of the floor of the enclosing structure for evidence of tank leakage.

6. Piping between tank and boiler is all located inside the plant building so that any possible piping leak would be detected immediately and the transfer pump could be shut down.

7. Oil is used as a primary fuel. Any leakage would be discovered by level readings and visual inspection.

Tank P-24:

1. Tank is welded steel construction.

2. Venting is suitable for fill and withdrawal rates. Vent is 2 in. diameter.

3. In case of tank rupture, oil may be transferred to an oil reclaimer's tank truck.

4. Level is measured once a month with a pneumatic level gauge on Friday following production shut down and on Monday before starting production. This will detect any leakage.

5. Piping between tank and boiler is all located inside the plant building so that any possible piping leak would be detected immediately and the transfer pump could be shut down.

6. Oil is used only as a standby fuel so any leakage would be discovered by level readings.

Tank X-56:

1. Tank is welded steel construction.

2. Venting is suitable for fill and withdrawal rates. Vent is 2 in. diameter.

3. In case of tank rupture, oil can be transferred to sump X-45 inside main building. Any excess can be loaded into portable storage tanks and drums. These tanks and drums would be retained in the sump area.

4. Level is measured weekly with a pneumatic level gauge on Friday following production shut down and on Monday before starting production. This will detect any leakage.

5. Piping between tank and sump is all located inside the plant building so that any piping leak would be detected immediately and the transfer pump could be shut down.

6. Cutting oil is transferred infrequently and in small quantities so any leakage would be discovered by level readings.

Sump X-45:

1. Sump is poured reinforced concrete construction.

2. Entire sump is below grade level.

3. All equipment utilizing oil from the sum is located within the sump spill area.

4. Overfilling the sump is guarded by the use of a normally open spring return pushbutton control to the transfer pump located at the sump. This

requires the operator to hold the contact closed in order to transfer cutting oil to the sump.

5. The sump is drained and cleaned once a month at which time the sump is inspected for any evidence of damage or cracks in the concrete or the paint coating.

6. Level is measured once a month with a graduated dip stick on Friday following production shut down and on Monday before starting production. This will detect any leakage.

7. PERSONNEL AND PROCEDURES

A. Persons in the Millwright Department will read and record tank levels monthly. Valves and fittings as well as sand bags and rubber expansion plug will be inspected. Any deficiencies will be reported immediately to the Plant Engineering Office.

B. Tank levels will be recorded before and after delivery to prevent possible overflow.

C. Vendor is responsible for filling oil tanks. Whenever oil tanks are filled, we will have a person from the Millwright Department on hand to insure proper procedure is followed and to initiate cleanup procedures should any spill occur.

D. Person in Millwright Department will insure that labels and signs on tank fill fittings are maintained as to be clear and legible.

E. Personnel are instructed to report any oil spill or leakage to the Plant Engineering Office immediately.

F. Plant Engineering will direct cleanup of any oil spill and report same to appropriate agencies.

8. ADDITIONAL FACILITIES

On-site storage of spill control and containment materials has been provided. Such equipment includes: bagged absorbent sand, rubber expansion plug, and tools.

John H. Watson

John H. Watson, President

EAG:dw
6/12/84

OIL SPILL NOTIFICATION

In case of any significant oil spill or leakage, the following are to be notified:

United States Coast Guard
111 W. Huron Street
Buffalo, New York
Monday - Friday 8:00 A.M. - 4:00 P.M. (716) 842-2000
All other times (716) 842-2191

In case of massive oil spills, the following are to be notified:

National Response Center (800) 424-8802

United States Environmental
Protection Agency
Enforcement Division
Division 11
26 Federal Plaza
New York, New York 10007
Contact: Henry Gluckstern (212) 264-9885

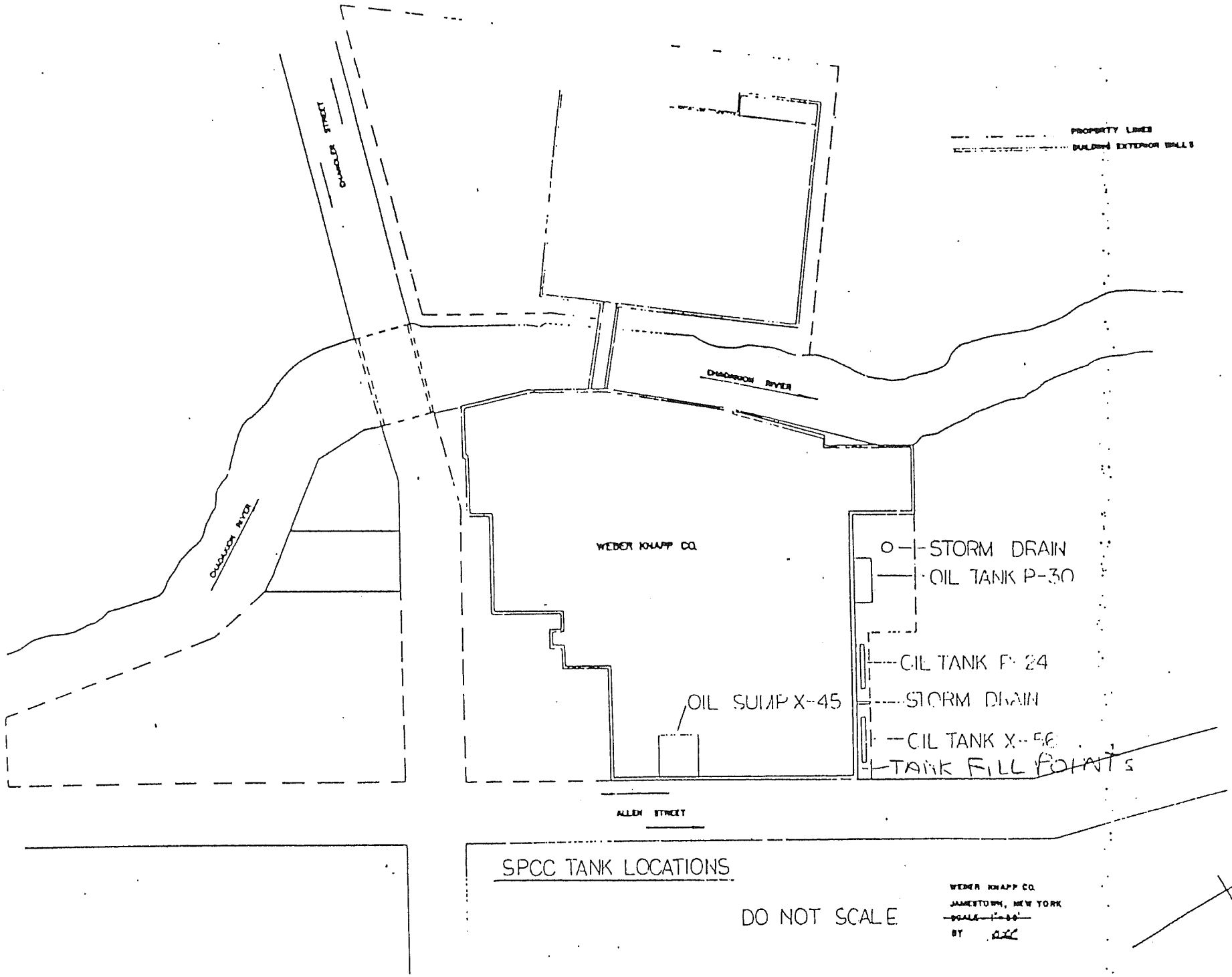
New York State Department of
Environmental Conservation
600 Delaware Avenue
Buffalo, New York 14202
Contact: John McMahon,
Regional Engineer (716) 847-4590

New York State Department of
Transportation
1220 Washington Avenue
State Campus
Albany, New York 12232 (518) 457-7362

John H. Watson

John H. Watson, President

EAG:dw
6/12/84


CHANDLER STREET
CHADAKOIN RIVER
CHADAKOIN RIVER
WEBER KNAPP CO.
PROPERTY LINES
BUILDING EXTERIOR WALLS
STORM DRAIN
OIL TANK P-30
OIL TANK P-24
OIL SUMP X-45
STORM DRAIN
OIL TANK X-56
TANK FILL POINTS
ALLEN STREET
SPCC TANK LOCATIONS
DO NOT SCALE
WEBER KNAPP CO.
JAMESTOWN, NEW YORK
SCALE 1"=80'
BY

Appendix I

Underground Storage Tank Registrations

Information not available from plant personnel

Professional Service Industries, Inc.
Pittsburgh Testing Laboratory Division

850 Poplar Street
Pittsburgh, Pennsylvania 15220
412/922-4000

REPORT

Laboratory No. 899915 Order No. 822-70151
Client No. NYK 0300 Date 11-17-88

BULK SAMPLE ANALYSIS FOR ASBESTOS

Report To: Dames & Moore
Suite 530
One Blue Hill Plaza
Pearl River, New York 10965
Attention: Robert Blauvelt
Project: Weber Knapp Plant 1,2,3 & Keeler Brass Co.

Sample ID#	ASB8248848	ASB824849	ASB824850
Additional Identification Information	# 1 JPK Plant #1	# 2 JPK Plant #3	# 3 JPK Plant #2
Gross Sample Appearance			
Is the sample homogeneous?	Yes	Yes	Yes
Does it contain obvious layers?	No	No	No
Is the sample fibrous?	Yes	Yes	Yes
Sample color?	White	Beige	Beige
Does the sample any contain any asbestos fibers?	Yes	Yes	No
Asbestos Present (Type & Percent Shown)	Type 1	Type 1	None
1. Chrysotile	20-25%	60-65%	Detected
2. Amosite	Type 2		
3. Crocidolite	20-25%		
4. Other, specify			
Total Percent Asbestos Present in Sample	45-55%	60-65%	0%
Other Fibrous Materials Present (Type & Percent Shown)	Type 2	Type 1	Type 1
	1-3%	20-25%	50-55%
1. Fibrous glass			Type 2
2. Cellulose			<1%
3. Other, specify			
Nonfibrous Materials Present (Description & Percent Shown)	Not Analyzed	Not Analyzed	Not Analyzed

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION II
26 FEDERAL PLAZA
NEW YORK, NEW YORK 10278

NOV 10 1988

Mr. Joseph L. Zingale
Resolve PRP on Site Coordinator
60 Harmon Avenue
Falconer, N.Y. 14733

Re: Resolve Manufacturing, Inc., Falconer, NY

Dear Mr. Zingale:

In accordance with paragraph 41 of Administrative Order on Consent, Index No. II - CERCLA-70206 (hereinafter, "CERCLA Consent Order"), issued December 31, 1988, EPA hereby certifies that the work conducted by the responsible parties on the Resolve Manufacturing facility has been completed in accordance with all of the terms of the CERCLA Consent Order to the satisfaction of EPA. This certification of work completed refers solely to the work conducted persuant to the CERCLA Consent Order.

Thank you for your cooperation in this endeavor.

Sincerely yours,

Rolando Rivera
EPA Enforcement Project Officer
Resolve Manufacturing

bcc: K. Lynch, NAS
B. Corman, ORC
F. Mills, ORC

FALCONER
LEWISTOWN, INC.

MIFFLIN COUNTY INDUSTRIAL PLAZA
P.O. BOX 1020
LEWISTOWN, PA 17044-1020
717-242-2571

TO: Resolve PRPs

FROM: The Steering Committee

DATE: December 21, 1988

Enclosed is a copy we have all been waiting for. You will note that it states ...EPA hereby certifies that the work conducted by the responsible parties on the Resolve Manufacturing facility has been completed in accordance with all of the terms of the CERCLA Consent Order to the satisfaction of EPA... In a nutshell, this means that the facility is clean and we have this problem behind us.

We are scheduling a meeting on January 26, 1989, at 2 p.m. at the Holiday Inn in Dunkirk Fredonia. During this final wrap-up meeting, we would like to show a slide presentation on the actual site clean up. In addition, we would like to discuss the following:

1. The distribution of the remaining funds.
2. Any action against Alaimo or the recalitrant PRPs.
3. The acquisition and sale of the equipment.
4. The Steering Committee expenses.
5. The contractor's bill.

Richard D. Thorpe
Secretary, Steering Committee

JOHN A. GLENZER
County Executive

ROBERT BERKE, M.D.
Commissioner of Health

CHAUTAUQUA COUNTY
DEPARTMENT OF HEALTH
HALL R. CLOTHIER BUILDING
MAYVILLE, NEW YORK 14757

GENERAL INFORMATION	753-4312
Divisions:	
ENVIRONMENTAL	753-4481
CHEST CLINIC	753-4312
HEALTH EDUCATION	753-4313
NURSES	753-4491
HANDICAPPED CHILDREN	753-4262
FISCAL	753-4431
COMMISSIONER	753-4314

November 30, 1988

Mr. Maung Min
Dames & Moore
1 Blue Hill Plaza
Suite 530
Pearl River, New York, 10965

Re: Chautauqua Hardware Corp.
Weber-Knapp Company

Dear Mr. Min:

In response to your request concerning the above industries, I have reviewed this Department's spill files for 1985-1988 and found no record of any spills at either facility. I have also reviewed the New York State Department of Environmental Conservation spill computer printouts for that period and found no record of any spills.

Very truly yours,

Steven M. Johnson, P.E., Director
Environmental Health Services

SMJ:phc

RECORD OF TELEPHONE CONVERSATION

DATE 1/25/89 JOB NO.: 18286-001

RECORDED BY: John McGowin OWNER/CLIENT: Babcock

TALKED WITH: Dennis Lucia OF NYSDEC, Div. Solid & Hazardous Waste

NATURE OF CALL: INCOMING ☐ OUTGOING ☒

ROUTE TO: INFORMATION ACTION

MAIN SUBJECT OF CALL: Hazardous Waste Compliance

ITEMS DISCUSSED: Past or outstanding citations

Mr. Lucia indicated that there are no records on file w/ NYSDEC, Div of Solid and Hazardous Waste for Weber Knapp Plant # 3 for non compliance

RECORD OF TELEPHONE CONVERSATION

DATE 1/25/89 JOB NO.: 18286-001

RECORDED BY: John McGowin OWNER/CLIENT: Babcock

TALKED WITH: Steven Dolegki OF NYSDEC Region IX

NATURE OF CALL: INCOMING ☐ OUTGOING ☒

ROUTE TO: INFORMATION ACTION

MAIN SUBJECT OF CALL: Air Emissions at Weber Knapp Plant #3

ITEMS DISCUSSED:

1. Mr. Dolegki informed that there were no citations against Weber Knapp Plant #3 for air emissions.

2. He also informed that gas fired boilers are exempt from NYSDEC Air Emission regulations (6 NYCRR Part 201.6(d)) if back-up fuel is #2 diesel.

RECORD OF TELEPHONE CONVERSATION

DATE 2/1/89 JOB NO.: 18286-001

RECORDED BY: J. McGowin OWNER/CLIENT: Babcock

TALKED WITH: Bob Kanouff OF Jamestown Public Work Department

NATURE OF CALL: INCOMING ☐ OUTGOING ☑

ROUTE TO: INFORMATION ACTION

MAIN SUBJECT OF CALL: Permit requirements for domestic discharge

ITEMS DISCUSSED:

1. Mr. Kanouff was called to confirm that there are currently no local, state or federal regulations regarding domestic discharge to POTW's. Storm drains, bathroom discharges, etc are not regulated or require permitting of any kind. Temperature is monitored @ Treatment plant and high temperture effluents would be investigated.

2. Weber-Knapp plant & Chautauqua Hardware plants have never exceeded the permit requirements of effluent limitations, monitoring or other conditions

RECORD OF TELEPHONE CONVERSATION

DATE 1/26/89 JOB NO.: 18286-001

RECORDED BY: J. McGowin OWNER/CLIENT: Babcock/Dacourt

TALKED WITH: E. Nellis OF Jamestown Fire Dept.

NATURE OF CALL: INCOMING ☐ OUTGOING ☑

ROUTE TO:	INFORMATION	ACTION

(716) 483-7599

MAIN SUBJECT OF CALL: Fire Inspections

ITEMS DISCUSSED:

The question was asked: 's the Jamestown Fire Department mandated to perform industrial building inspections? Mr. Nellis' response was that there currently is no city or county ordinance or charter requiring the Jamestown Fire Department to perform such inspections. They do, however, inspect for building code compliance for new and existing structures if it is a major modification.

REVISIONS BY _____ DATE _____

BY _____ DATE _____
CHECKED BY _____ FILE _____

TELECON

1/26/89

CALL THE DEC SOIL AND CONSERVATION DIVISION (664-2351). ASKED FOR JOAN CURTIS. I REQUESTED INFORMATION FOR JAMESTOWN RE GARDING:

% ORGANIC CARBON IN SOIL

% MOISTURE IN SOIL

SOIL TYPE

MS. CURTIS DID NOT KNOW THIS INFORMATION. SHE CONNECTED WITH ME WITH ONE OF THE SOIL TECHNICIANS. HE SAID HE DID HAVE % ORGANIC CARBON IN SOIL. HE KNEW % ORGANIC MATTER IN TOP SOIL OF AREA. THE VALUES WERE 4-6% FOR 3-9" OF TOPSOIL. HE SAID % OF SOIL MOISTURE WAS DIFFICULT TO DEFINE DUE TO SEASONAL VARIATIONS. HE SAID AVERAGE SOIL MOISTURE IN JAMESTOWN AREA IS 3"-6" OF WATER IN 40" OF SOIL. THE SOIL TYPE MOST PREVALENT NEAR THE CHADAKOIN RIVER IS CHENANGO GRAVEL/SILT LOAM.

DAMES & MOORE

PLATE

RECORD OF TELEPHONE CONVERSATION

DATE 2/1/89 JOB NO.: 18286-001

RECORDED BY: John S. OWNER/CLIENT: RAFCOCK

TALKED WITH: DAVID WILSON OF SOIL & WATER CONSERVATION DIV. NYS DEC (ELLICOTT, NY)

NATURE OF CALL: INCOMING ☐ OUTGOING ☒

ROUTE TO:	INFORMATION	ACTION

MAIN SUBJECT OF CALL: FLOOD PLAIN OF JAMESTOWN & FALCONER, NY

ITEMS DISCUSSED: MR. WILSON INFORMED ME THAT WITHIN A 100 YEAR PERIOD THE CHADAKOIN RIVER WILL RAISE ITS BANKS BY LESS THAN TWO FEET AND THUS POSING NO RISK NO CHAUTAUQUA RACEWAY OR WOODWORKERS SINCE THESE FACILITIES ARE AT LEAST 4' HIGHER THAN THE RIVER'S HEIGHT.

RECORD OF TELEPHONE CONVERSATION

DATE 2/1/89 JOB NO.: 18276-001

RECORDED BY: John S. OWNER/CLIENT: BABCOCK

TALKED WITH: JIM YICH OF JAMESTOWN AUDUBON SOCIETY

NATURE OF CALL: INCOMING ☐ OUTGOING ☑ (716) 569-2345

ROUTE TO:	INFORMATION	ACTION

MAIN SUBJECT OF CALL: WILDLIFE REFUGEE IN JAMESTOWN/FALCONER AREA

ITEMS DISCUSSED: MR. YICH INFOLMED ME THE JAMESTOWN AUDUBON SOCIETY HAS A BIRD SANCTUARY IN WARREN, PENNSYLVANIA. THE SANCTUARY IS SOUTH EAST OF JAMESTOWN AND APPROXIMATELY 12 MILES FROM THE CITY OF JAMESTOWN.

NEW YORK

OFFICE MEMORANDUM

ACTION INFO

To: Joha Szalkowski	File:
	X-Ref:
	Date: NOV 22, 1988

From Maung K. Min Reply Required By:

Subject: Dacourt – Env. Assessment.

Reference(s):

Please find attached regulatory compliance information on the sites inspected in the NY State.

Regulatory Review of New York State inspected Sites

	~~Name~~ FACILITY	RCRA violation	NPL site	State Superfund Site
①	Chautauqua Hardware 31-35 Water St. Jamestown	x	x	x
②	Chautauqua Hardware 217-243 Ito/Main, Jamestown	no record	x	x
③	Weber Knapp 441 Chandler St. Jamestown	x	x	x
④	Webers Knapp 2019 Allen St. Falconer	no record	x	x
⑤	Weber Knapp 2148 Allen St. Falconer	no record	x	x

RCRA information was provided by Mr. Matt Cullen
Sr. Sanitary Engr.
NYSDEC Region 9
600 Delaware
Buffalo, NY 14202
Ph # 716/847-4585

A request regarding active and archived spill relating to these sites have been made to the following officials:

1. Mr. Robert Leary - Sr. Sanitary Engr. NYSDEC Region 9 716/847-4585

Mr. Steven Johnson: Dir. Env. Health
Chautauqua County Health Dept
716/753-4481.

There are no ongoing spill investigation at these sites
Neither of them or all of any past spills of at
the sites of concern.

Many Kim

RECORD OF TELEPHONE CONVERSATION

DATE 2/3 JOB NO.:

RECORDED BY: B Zinn OWNER/CLIENT:

TALKED WITH: Glenn Ryan OF W.Knapp

NATURE OF CALL: INCOMING ☐ OUTGOING ☐

ROUTE TO:	INFORMATION	ACTION
	(716) - 484 - 9135	

MAIN SUBJECT OF CALL: Site History - WK 1+3

ITEMS DISCUSSED:

Hjemdahl - Monsen / Pollution Control, Engineering

- Sewers stored Appliance storage + Repair
also income + Receiving for local store
retail general

- building #1 2 segments
S. River owner since 1898-1900 Weber Knapp
expand back into Residential Area
E+S

acquire Morris Alley from City Town
built on top

N. of River = Norgist Furniture - furniture Manufact
- may have done mill work (wood cutting

Appendix L

Laboratory Analysis

No laboratory analyses were performed

Appendix M

Loss Inspection Report

No loss inspection report for this facility

U.S. Department of Labor

Occupational Safety and Health Administration
220 Delaware Avenue
Suite 509
Buffalo, New York 14202
Reply to the Attention of:
(716) 846-4881

To: Employees of Weber-Knapp Company

Your employer was selected for an OSHA safety inspection under the Agency's policy of concentrating its resources in those establishments within a high rate industry having the highest incidence of lost workday injuries. Any company, however, which has a lost workday injury rate that is below the overall manufacturing industry rate published by the Bureau of Labor Statistics (BLS) in its most recent report will not receive a comprehensive safety inspection for this fiscal year.

I have reviewed your employer's logs (OSHA 200's) and other supporting documents listing lost workday injuries suffered during the last 2 complete calendar years ~~(3 years~~ for companies employing an average of 20 or fewer workers in any of the last 3 years), and have calculated the lost workday injury rate to be 3.2. Since this is below the most recently published BLS national rate for the manufacturing industry, which is 4.2, no comprehensive safety inspection is planned for this establishment (for this fiscal year). This action in no way affects the scheduling of other OSHA inspection activity, such as programmed health inspections, formal complaint inspections, and investigations of major accidents.

If you have any questions you may contact the area office at the above address and telephone number.

Sincerely,

Frederick A. Rizzino

Compliance Officer
Occupational Safety and Health Administration

Date: April 4, 1985

APPENDIX 0

The required two hour awareness training programs should include:

* (i) Information regarding asbestos and its various uses and forms.

* (ii) Information of the health effects associated with asbestos exposure.

* (iii) Location of ACBM identified throughout each building in which they work.

* (iv) Recognition of damage, deterioration, and delamination of ACBM.

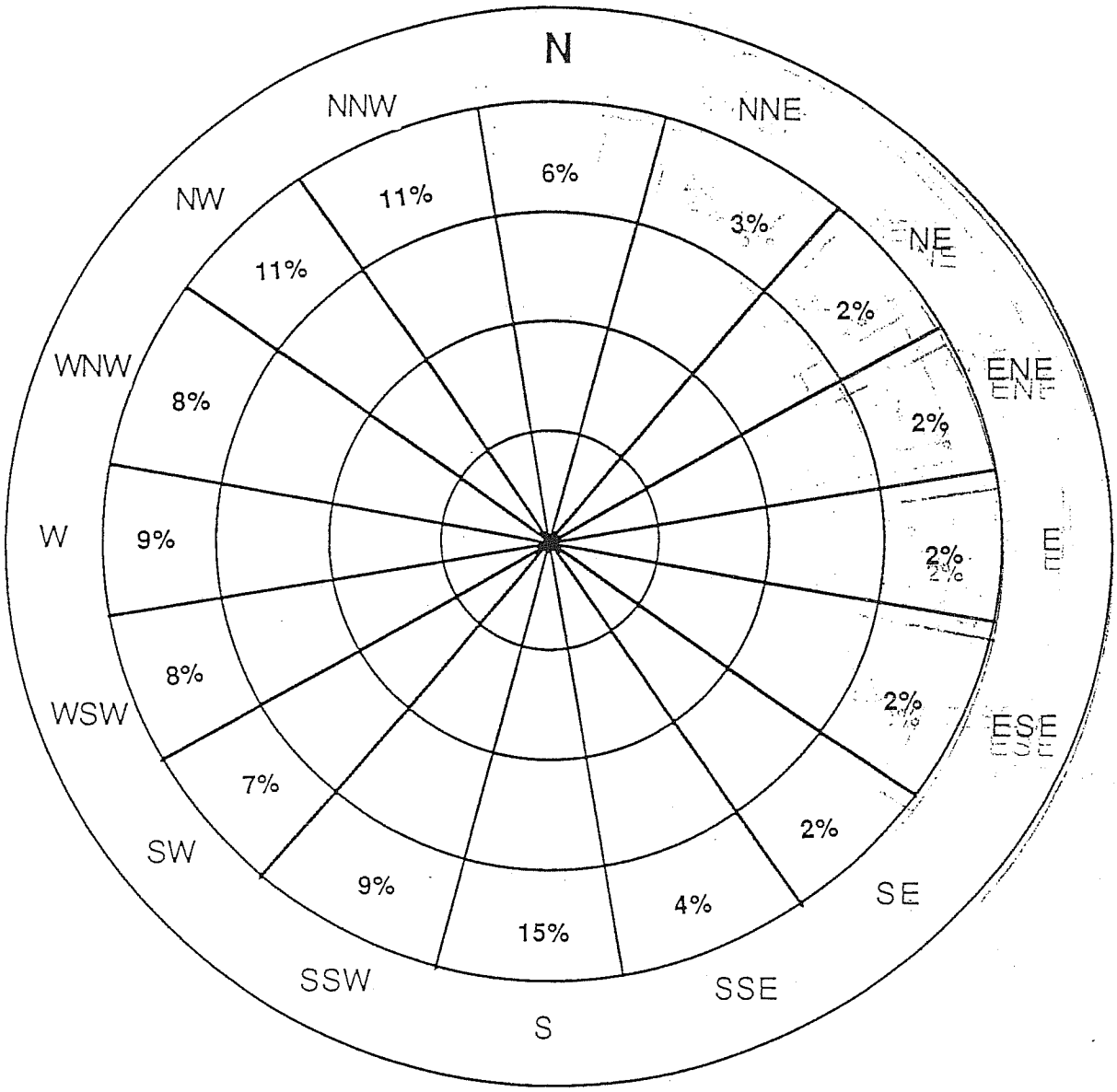
* (v) Names and telephone number of the Asbestos Program Manager and the availability and location of the management plan.

All employees and contract personnel who come in contact with the ACBM through cleaning procedures, maintenance activities, or emergency situations are required to have an additional 14 hours of training which provides knowledge in personal protection, fiber control, and limited asbestos removal procedures. This training is required to protect both the workers and occupants of the building.

The required 14 hour training program should include both the information contained in the awareness seminar for building occupants, and the non-ACBM-contacting employees, along with the following:

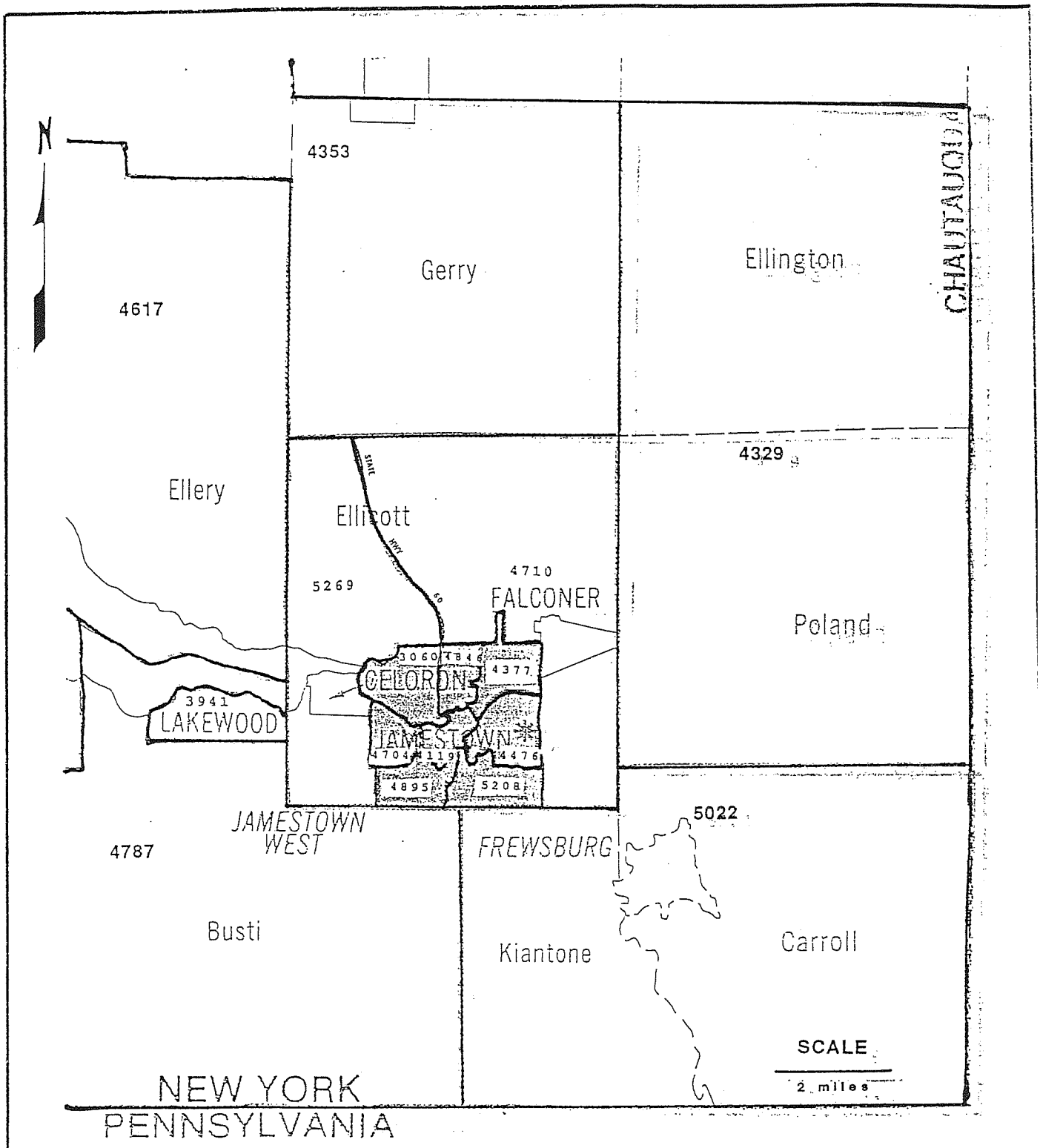
* methods and procedures for handling and disposing ACBM;
* personal protection, including respiratory protection and protective clothing;
* a working knowledge of the O&M program including safety, access, and reinspection;

* equipment availability and uses including wet cleaning, HEPA vacuuming, steam cleaning, etc.;
* hands-on training in the use of respirators, personal protection, work practices, and fiber control;
* the importance of record keeping and employee record generation requirements;
* requirements for work order clearance through the Asbestos Program Manager of all renovation and ACBM disturbance activities;
* training and licensing requirements for the state and local agencies, if applicable.



WIND ROSE FOR JAMESTOWN/FALCONER AREAS

Dames & Moore



POPULATION BY CENSUS TRACTS

SOURCE: 1980 CENSUS TRACTS FOR CHAUTAUQUA COUNTY, NY

Dames & Moore