



CONTRACTOR SAFETY HANDBOOK

CRUCIBLE'S REQUIREMENTS FOR
CONTRACTORS, SUB-CONTRACTORS, AND THEIR EMPLOYEES

Crucible Industries LLC
575 State Fair Blvd
Solvay, NY 13209
(315) 487-4111
(315) 470-9233 FAX (Purchasing)

In accordance with the terms of our Purchase Agreement with Crucible Industries, I have received a copy of Crucible's Requirements for Contractors, Sub-Contractors, and Their Employees, which I hereby agree to conform.

Included herein:

Part I	SAFE PRACTICES	
	Safety Director	470-9014
Part II	PLANT SECURITY and FIRE PREVENTION	
	Director Training/Security	470-9014
Part III	ENVIRONMENTAL ENGINEERING	
	Environmental/Energy Engineer	470-9234
Part IV	INDUSTRIAL HYGIENE	
	Safety Director	470-9014

Notes:

- (1) The Crucible Project Manager or his/her designated representative(s) shall give instructions to the Contractor. Contractors or Sub-Contractors that are called in the plant regularly shall sign the Crucible's Requirements For Contractors, Sub-Contractors, and Their Employees annually. The Project Manager or designated representative in this case will be the person responsible for calling the Contractor or Sub-Contractor into the plant.
- (2) It is the responsibility of each Contractor and Sub-Contractor to have available at or near the work site, a copy of the attached Crucible's Requirements For Contractors, Sub-Contractors, and Their Employees and to review them with their employees prior to the commencement of work.

- (3) Each Contractor and Sub-contractor must sign the acknowledgement pages of this form. The acknowledgement pages must then be forwarded to the Safety Director.
- (4) The attached Crucible's Requirements For Contractors, Sub-Contractors, and Their Employees are the minimum requirements by Crucible and are not all-inclusive. Neither these written rules and requirements, not the making thereof shall constitute an understanding on behalf of or for the benefit of any contractor or subcontractor or others, to determine or warrant that such rules and requirements insure a safe work environment. This guide does not purport to guarantee compliance with local, state, or federal regulations and are promulgated for the benefit of Crucible Industries only. Accordingly, each contractor or subcontractor must be aware of applicable regulations, and failure to comply will not be excused by either non-inclusion of the subject matter in these rules and requirements or difference in requirements between these rules and requirements and local, state, or federal regulations. Also these requirements do not supersede more stringent practices that may have been promulgated by the Contractor or Sub-Contractor.
- (5) Crucible's Part IV, Industrial Hygiene, to comply with OSHA (29CFR) 1910.1200, must be read by any Contractor or Sub-Contractor scheduled to work on the premises of Crucible Industries, Syracuse, New York. It is the responsibility of the Contractor and/or Sub-Contractor to apprise and train their employees of the types and locations of the hazards in every area that they are scheduled to work. MSDS sheets for all materials used by the Contractor or Sub-Contractor shall be supplied to Crucible's Environmental Engineering Department, registered, and approved, for use on Crucible's property.
- (6) Proper handling of waste materials generated by the project is the Contractor's responsibility. Sampling, transporting and disposal of all materials must be approved by Crucible's Environmental Engineer (see Part III) prior to starting a project. Crucible's Environmental Engineering Department will handle transportation, manifesting and disposal of all waste materials.

- (7) Contractors and Sub-Contractors must provide methods to restrict entry of Crucible employees into work and construction areas.
- (8) Any employees of Contractor or Sub-Contractor violating Crucible Industries rules [i.e., not wearing hard hats, appropriate work shoes/boots, hearing protection (where required), safety glasses, etc.] will be removed from the property and not allowed to return until permission has been granted from the Vice-President of Maintenance & Engineering or the Maintenance Superintendent.
- (9) Contractors and their sub-contractors are required to provide their own equipment to safely complete each project. This includes, but is not limited to: tools, ladders, safety harnesses, mobile equipment and confined space entry equipment.
- (10) In an emergency, call Patrol by dialing 444 on a plant phone, calling 470-9444 on a cellular phone, or by picking up the receiver of any red emergency phone in the mill. Patrol guards will coordinate all emergency services.
- (11) Contractors and Crucible's Project Manager or designated representative shall sign below to acknowledge receipt, review and understanding of this document.

ACKNOWLEDGEMENT PAGE

Carefully read the entire contents of the Crucible Industries LLC Contractor Safety Handbook before signing and returning this page.

CONTRACTOR

Print Name

Date

Signature

Company

CRUCIBLE DESIGNATED REPRESENTATIVE

Print Name & Title

Date

Signature

Note: This page contains the identical wording as Page 7 of this handbook. After properly signed, this page is to be sent to the CIL Safety Director.

Crucible Industries (CIL) agrees to permit _____ (hereinafter referred to as "Indemnitor") and its employees, agents, partners, subcontractors, invitees or contract laborers (herein referred to collectively or individually as "Employees," such reference to Employees to include employees, subcontractors, agents, invitees, and partners of any of the foregoing at any tier) to enter the premises of CIL or at any other locations outside its premises. In consideration for the allowance of such access and other valuable consideration, Indemnitor agrees to save harmless and indemnify CIL, its representatives, officers, directors, agents, employees, affiliated companies and underwriters from and against all loss, damage, liability, cost, and expenses suffered or sustained by CIL for which CIL may be held liable or become liable by reason of personal injury (including death) to Employees of Indemnitor, or other persons, damage to property belonging to Indemnitor, or its Employees or other parties caused in whole or in part by the negligent acts or omissions of Indemnitor while on the premises of CIL or at any locations outside its premises. Indemnitor will therefore hold harmless and indemnify CIL even when CIL is partially responsible for damage or injury, except neither Indemnitor nor any of its subcontractors will be liable for damages arising out of injury or damage to persons or property directly caused or resulting from the sole negligence of CIL. It is the additional agreement of the parties that the Indemnitor indemnify and hold harmless Indemnitee against all liabilities without limitation resulting from violations/noncompliance with federal, state, and local rules, regulations, administrative orders or agreements by Indemnitor or Employees.

Indemnitor further agrees to defend any and all actions, suits, or proceedings brought against CIL covered by this Agreement and to pay on behalf of CIL the amount of any costs, fees, attorney fees, fines, mediation costs, and expenses in connection with such defense and any judgment, fine, cleanup order, other penalty that may be entered into against CIL in any such action, suit, or proceeding. Furthermore, Indemnitor agrees to pay costs and attorney fees should CIL be required to enforce this Agreement with Indemnitor.

Indemnitor specifically represents that it has insurance coverage to cover the contract of indemnity herein and attaches hereto a Certificate of Insurance so certifying which is made part of this Agreement. Indemnitor agrees to provide renewal Certificates of Insurance upon expiration of the above-specified insurance coverage.

Signature:

Date:

Title:

Witness Signature:

Witness Printed Name:

Printed Name:

Witness Signature:

Witness Printed Name

Note: This page contains the identical wording as Page 8 of this handbook. After properly signed, this page is to be sent to the CIL Safety Director.

ACKNOWLEDGEMENT PAGE

Carefully read the entire contents of the Crucible Industries LLC Contractor Safety Handbook before signing and returning this page.

CONTRACTOR

 Print Name

 Date

 Signature

 Company
CRUCIBLE DESIGNATED REPRESENTATIVE

 Print Name & Title

 Date

 Signature

Note: This page contains the identical wording as Page 5 of this handbook. After properly signed, this page is to be sent to the CIL Safety Director.

Crucible Industries (CIL) agrees to permit _____ (hereinafter referred to as "Indemnitor") and its employees, agents, partners, subcontractors, invitees or contract laborers (herein referred to collectively or individually as "Employees," such reference to Employees to include employees, subcontractors, agents, invitees, and partners of any of the foregoing at any tier) to enter the premises of CIL or at any other locations outside its premises. In consideration for the allowance of such access and other valuable consideration, Indemnitor agrees to save harmless and indemnify CIL, its representatives, officers, directors, agents, employees, affiliated companies and underwriters from and against all loss, damage, liability, cost, and expenses suffered or sustained by CIL for which CIL may be held liable or become liable by reason of personal injury (including death) to Employees of Indemnitor, or other persons, damage to property belonging to Indemnitor, or its Employees or other parties caused in whole or in part by the negligent acts or omissions of Indemnitor while on the premises of CIL or at any locations outside its premises. Indemnitor will therefore hold harmless and indemnify CIL even when CIL is partially responsible for damage or injury, except neither Indemnitor nor any of its subcontractors will be liable for damages arising out of injury or damage to persons or property directly caused or resulting from the sole negligence of CIL. It is the additional agreement of the parties that the Indemnitor indemnify and hold harmless Indemnitor against all liabilities without limitation resulting from violations/ noncompliance with federal, state, and local rules, regulations, administrative orders or agreements by Indemnitor or Employees.

Indemnitor further agrees to defend any and all actions, suits, or proceedings brought against CIL covered by this Agreement and to pay on behalf of CIL the amount of any costs, fees, attorney fees, fines, mediation costs, and expenses in connection with such defense and any judgment, fine, cleanup order, other penalty that may be entered into against CIL in any such action, suit, or proceeding. Furthermore, Indemnitor agrees to pay costs and attorney fees should CIL be required to enforce this Agreement with Indemnitor.

Indemnitor specifically represents that it has insurance coverage to cover the contract of indemnity herein and attaches hereto a Certificate of Insurance so certifying which is made part of this Agreement. Indemnitor agrees to provide renewal Certificates of Insurance upon expiration of the above-specified insurance coverage.

 Signature:

 Date:

 Title:

 Witness Signature:

 Witness Printed Name:

 Printed Name:

 Witness Signature:

 Witness Printed Name

Note: This page contains the identical wording as Page 6 of this handbook. After properly signed, this page is to be sent to the CIL Safety Director.

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CRUCIBLE'S REQUIREMENTS FOR
CONTRACTORS, SUB-CONTRACTORS, AND THEIR EMPLOYEES

PART I

SAFE PRACTICES

1. Local, State and Federal Codes

All devices, materials and equipment used by the contractors on our premises will conform to local, state and federal laws and regulations pertaining to their use.

2. Personal Protective Equipment

Hard hats (must comply with ANSI Z89.1-1986), appropriate hard-soled, steel-toed work shoes/boots (must comply with ANSI Z41-1991), hearing protection (where required) and Industrial safety glasses with full cup sideshields (must comply with ANSI Z87.1-1989) must be worn at all times by all workers in the plant and/or construction areas. Contact lenses are not allowed.

Ironworkers who are working on elevated structures are not required to wear safety glasses unless they are grinding or burning. Roofers are not required to wear hard-hats when on the roof, however safety glasses are still required. Workers in enclosed truck/crane cabs are not required to wear hardhat or safety glasses but must have them with them to wear when leaving the cab.

Workers must wear at least a short sleeve shirt (sleeves must be 4" or longer); they are not allowed to wear tank tops or go baretopped. Wearing of open-toed sandals, sneakers, or bermuda-type shorts are prohibited. Hard-soled, steel-toed footwear and long pants are required. Other personal protective equipment must be worn as prescribed by the Director of Safety, or Engineering Department and as required by the Occupational Safety and Health Act.

3. Hearing Protection

All outside contractors must wear proper hearing protection in designated areas where noise levels are measured at 85 db or above, or when operating equipment capable of producing these noise levels.

Signs are posted "Ear Protection Required In This Area" in all applicable departments where the 85-db level has been determined.

Disposable ear plugs can be supplied by Crucible and may be obtained at the North Gate, Shipping Gate and Administration Bldg. reception area.

Contractors working in areas of the plant (which require hearing protection) for extended periods (over 30 days) must furnish their employees with the external type earmuffs that have a noise reduction rating (NRR) of 20 decibels or more.

3a. Respiratory Protection

Each contractor or sub-contractor shall provide respirators to their employees in areas where CIL deems necessary or where the contractor's actions, per OSHA standards, require respiratory protection. CIL Safety Department must be notified prior to starting work, if the contractor or sub-contractor may create a potential respiratory hazard for the employees of CIL.

Each contractor or sub-contractor required to wear respirators will provide written documentation of compliance with OSHA respiratory standards 29 CFR 1910.134, 29 CFR 1926.103 or other applicable standards (including but not inclusive 1910.1001, 1910.1010, 1910.1018, 1910.1025, 1910.1027) to the Safety Department. Written documentation shall include: current medical qualifications, respirator fit

test and training records for a respirator applicable to job requirements.

NOTE: CIL prohibits the use of any paper disposable respirator/(dust mask) on site.

4. Unusual Conditions

Report immediately to the Crucible designated representative, any unusual conditions that may be found, such as underground power lines, pipelines or sewers, etc. Stop all work until approval to continue is granted by the above Crucible Designated Representative. (All excavating work shall have at least one individual, with hand shovel, in close proximity to excavation area to watch for concealed utilities. When observed, power excavation shall cease until proper identification is made.) During winter months exercise caution due to falling ice from roofs and slippery walkways in yard areas.

5. Confined Space Entry Procedures

Contractors WILL NOT ENTER ANY:

1. MANHOLES & SUBSURFACE STRUCTURES,
2. ANY AREAS LABELED CONFINED SPACE, OR
3. ANY AREA THAT THE CONTRACTOR MAY BELIEVE TO BE A CONFINED SPACE WITHOUT FIRST CONTACTING ENVIRONMENTAL ENGINEERING TO VERIFY THE AREA'S HAZARDS AND STATUS.

If contractors are required to enter CIL confined spaces, they must have their own entry program, permits, equipment and trained rescue personnel. All these items must be documented and approved by CIL's Safety Department on an annual basis. Confined space entries must be cleared through the Environmental Engineering Office to determine that all applicable procedures are being followed. Your Crucible designated representative will contact Environmental Engineering to determine if your project will take place in a CIL designated confined space.

6. Excavations

Do not start any excavations adjacent to high-tension electric lines, water or gas lines until permission is granted by the Crucible Designated Representative. Rules and Regulations must be adhered to for excavations, trenching and shoring as set forth in Subpart P-29 CFR 1926.650-1926.653 for constructions. The pumping of any fluids and/or the removal of any solid material needs to be evaluated prior to the start of the job by the Environmental Engineering Office.

7. Warning Lights, etc.

Openings in the ground, in the floor, open manholes, valve pits, excavations, etc., must be surrounded by barriers at all times including flashing warning lights at night.

8. Working Overhead

Work area must be roped off or lookout man posted when men are working overhead. Do not leave tools and materials in such positions that they may fall and strike someone below. Rules and regulations must be adhered to for fall protection as set forth in 29 CFR 1926.104 and 1926.105.

(a) Ladders

Due to electrical hazards, metal ladders are not allowed. Safety feet are required on all portable rung and cleat ladders; also ladders must meet all other OSHA standards.

(b) Lifting of Employees

Contractor's employees will not be lifted by unauthorized equipment (ex. fork trucks, makeshift platforms, etc.) that does not meet 29 CFR 1926.451 and 1926.453.

(c) Fall Protection

All contractors working at raised elevations, including working, driving or riding in manlifts, must wear safety harnesses and tie lines, as well as meet all other applicable requirements as mandated under OSHA's fall protection standard.

9. Gas Cylinders

Stations must be established in Crucible designated areas for full and empty oxygen and other gas cylinders on each job. Cylinders must be tied or supported in an upright position.

10. Material Storage

Store materials in an orderly and safe manner. Do not block aisles, exits, or roadways within the plant. Do not store incompatible materials together. Ensure materials are properly labeled and that containers are sealed and non-leaking. MSDS need to be approved by Crucible Environmental Engineering Department prior to beginning the project. When storing material near a railroad track, a 6'0" clearance from outside rail must be observed.

11. Trespassing

Do not enter mill buildings unless your duties take you there and then use only the Crucible designated passageways. Contractor employee movement must be restricted to the designated route to the job and work area.

12. Riding and Operating Equipment

Do not ride upon or operate locomotives, cars, or other moving equipment unless authorized by a Crucible Designated Representative.

13. Lockout Procedure

Do not turn on or off any gas, electricity, steam, air, chemical, nitrogen, oxygen, argon or water or set in motion any machinery, prior to review by the Crucible Designated Representative. Contractors are required to comply with CIL's Lock, Tag and Try policy (OSHA 1910.147). Be certain that all safety guards are reinstalled in their proper places. Equipment tagged and locked out must not be started unless tag and lock has been removed by the contractor who placed it. NOTE: All locks MUST be accompanied by a properly filled out tag.

14. Making Connections

Connections to all utilities are to be made only with the approval of the Designated Crucible Representative.

15. Explosives

No explosive or radio activated devices or material may be brought into the plant or be used without permission of the Directors of Safety and Security or their designated representatives.

16. Overhead Crane and Runways

Contractors and their employees must not go onto any overhead crane runway or crane for any purpose without permission of the Crucible Designated Representative. In the event a rail stop cannot be used, the contractor will be required to have a lookout in a suitable location to warn his people and our cranemen.

Look-out people must be used when working near a crane runway when Crucible or contractor's employees may be endangered by their operations.

17. Crane Lifts

Contractor's employees must see to it that crane lifts are not carried over the heads of any workers.
LIFTS MUST NOT EXCEED RATED CAPACITIES and proper lifting equipment and techniques must be utilized.

18. Speed Limit and Traffic Restrictions

Contractor's employees, who have permission to drive automobiles or trucks over the roadways inside the plant, must not exceed 10 mph or otherwise indicated by signs along the roadways, go slow and sound horn at blind corners, stop and sound horn before entering or exiting any building and yield to pedestrians and CIL traffic.

19. Injuries

In case of minor injuries, the injured worker should report or be taken to Crucible Medical Department located on the east side of the plant, approximately 100 yards south of the Shipping Gate. The Medical Department is open Mon-Fri., day shift. At all other times, call Patrol by dialing 444 on a plant phone, calling 470-9444 on a cellular phone, or by picking up the receiver of any red emergency phone in the mill. Patrol guards will coordinate all emergency services.

20. Interpretation of Rules

If in doubt as to the meaning of any of the above rules and regulations, consult the Crucible Designated Representative, or Safety Director.

CRUCIBLE INDUSTRIES LLC

CRUCIBLE'S REQUIREMENTS FOR
CONTRACTORS, SUB-CONTRACTORS, AND THEIR EMPLOYEES

PART II

PLANT SECURITY

1. PASSES

Before being admitted to the plant and prior to starting work, all employees and representatives for contractors will be required to sign a registration log. Shuttle vehicles should be designated to transport tools at the beginning and end of each shift. Only vehicles registered to the contracted company or special vehicles such as backhoes, welders, etc., will be allowed in the plant.

2. VEHICLE REGISTRATION

All automobiles and trucks driven into the plant must be registered with the Plant Security (North Gate) and are subject to search upon departure.

3. PARKING

Contractors and their employees must park their vehicles in assigned parking lots and comply to established parking regulations.

4. NOTE

It is the contractors responsibility to secure the work area, their tools, storage sheds, equipment, etc.

5. RULES OF CONDUCT

The following are prohibited on Crucible property: possession and/or consumption of alcoholic beverages and/or drugs or reporting to work under the influence. Horseplay, firearms, and cameras are also prohibited on Crucible property. Smoking is only permitted outdoors.

FIRE PREVENTION

1. OFFICES, STORAGE SHEDS, ETC.

Any temporary office, storage shed, or trailer whether owned or occupied by contractors and their representatives, shall be located where directed by the Crucible Designated Representative and the Maintenance and Engineering Department. These buildings and all material stored in and around it must be kept neat, clean and in an orderly condition at all times. Any of these temporary building must have exterior signs indicating hazardous or flammable material kept within.

2. FLAMMABLE LIQUIDS

Care shall be exercised in the use and storage of all flammable liquids to prevent fire.

All fuel and other flammable liquids must be dispensed from approved-type safety cans equipped with flame arrestors, to be furnished by contractor.

All containers must be properly identified as per OSHA Hazard Communication Standard, 1910.1200.

3. RAGS, WIPING WASTE, ETC.

All wiping rags and waste, new or used, must be kept in closed non-combustible containers.

4. FIRE EXTINGUISHERS AND FIRE FIGHTING EQUIPMENT

The contractor must furnish fire extinguishers, approved by the Plant Fire Marshall for the protection of the contractor's offices, work and storage area.

Fire fighting equipment of any type, contractor's or Crucible's, must not be blocked by contractor's material or equipment.

5. TEMPORARY HEATERS, ETC.

Extreme care shall be exercised to place temporary heaters away from combustible materials. Their location must be approved by the Fire Marshall.

6. BURNING AND WELDING

All welding and cutting operations need authorization from Crucible's Fire Marshall (ext 9419 or 9207). The Crucible Representative shall contact the Fire Marshall to obtain a burning permit.

In areas where flammable liquids, chemicals, gases, dusts, or large concentrations of equipment and machinery may present a protection problem the Fire Marshall shall be called before any burning or welding is done, in order that the proper fire fighting equipment may be at hand and the necessary precautions taken. If required by the Fire Marshall a fire watch of one or more men as required will be provided by the contractor, and will be stationed with fire fighting equipment to protect areas adjacent to burning and welding operations, and they will make sure that no source of ignition for a fire remains after the job is completed.

7. REPORTING FIRES

In case of fire, call Patrol by dialing 444 on a plant phone, calling 470-9444 on a cellular phone, or by picking up the receiver of any red emergency phone in the mill. Patrol guards will coordinate all emergency services.

8. HOT WORK ON ROOFS

Contractors will not leave work area until all hot work on building has cooled to ambient temperature. Contractor will inspect immediate work area for signs of other smoldering materials. Any cylinders (propane), tools and materials left on site, must be secured.

CRUCIBLE INDUSTRIES LLC

CRUCIBLE'S REQUIREMENTS FOR

CONTRACTORS, SUB-CONTRACTORS, AND THEIR EMPLOYEES

PART III

ENVIRONMENTAL CONTROL

1. Contractor is responsible for ensuring that all waste materials are handled properly as follows:
 - (a) All Waste Materials - (excavation, materials, and obsolete equipment) will be disposed of in a manner consistent with the existing regulations. The handling and storage of waste materials must be approved by the Crucible Environmental Engineer before the job starts. Crucible will dispose of all waste materials.
 - (b) Crucible Environmental Engineer will determine nature of wastes (i.e., hazardous or non-hazardous). Test pits or other sampling measures may be required prior to start of project for waste determination.
 - (c) All manifesting of wastes will be done by Crucible.
 - (d) Mandatory Recycling - Onondaga County's Source Separation Law is in effect for all residents and businesses. The law requires every waste generator to "source separate" recyclable and non-recyclable materials.

Contractors and servicemen are requested to separate recyclable materials. Upon authorization from Crucible Designated Representative, recyclables can be deposited in Crucible's recycle collection containers.

Crucible's present recycle streams are:

- 1) corrugated cardboard
- 2) metal, glass and plastic containers
- 3) paper
- 4) scrap metal
- 5) clean concrete and cinder blocks
- 6) clean wood and pallets

Further information on recycling will be provided upon request. In addition, all contractors and servicemen bringing or using containerized products (i.e., freon, paint cans, oil cans, etc.) are required to remove them from the Crucible facility when the job is done. The contractor or servicemen must take, recycle, or reuse or dispose of such containers at their own facility.

The general rule of thumb is that Crucible's wastes remain Crucible's responsibility and contractors are responsible for their own wastes.

2. No liquid discharges (sump pumps, hoses or containers) are allowed unless approved by environmental engineer. This includes the transfer of groundwater, stormwater, industrial process water, sanitary wastes, wastewaters, oils, coolants, or other liquids.
3. Any spills or discharges (to water, land or air) from operations or equipment will be stopped and contained as quickly as possible. Crucible Environmental Engineer or Vice President of Maintenance and Engineering will be notified immediately through the Maintenance dispatcher on ext. 9215, or off-turn on ext. 444/red emergency phones. The Contractor should stop the spill by:
 - a) Stopping pump, turning off valve, or diverting discharge.
 - b) If in containment dike, verify that valve in sump is closed.
 - c) Construct temporary containment dike of boards, dirt, cinder blocks, etc. Speedi-dry or other sorbent material may be utilized to contain spill.

4. No public waterway (Tributary 5A, Onondaga Lake, etc.) or sewer (Sanitary, Storm or Industrial) will be disturbed unless approved by the Environmental Engineering Department.
5. Any construction/excavation causing air emissions (dust, smoke, etc.) will not occur until Environmental Engineer has determined if permit or control is required.
6. All construction must meet all environmental construction standards (e.g., chemical and petroleum bulk storage regulations).
7. Proper maintenance on construction vehicles will be done to minimize oil/liquids, leaks/spills into the environment.
8. All products used at CIL (i.e., cleaners, degreasers, refractory, etc.) must have an approved MSDS on file with CIL for use by outside contractors and all containers must be properly labeled. The project will not be allowed to start until MSDS approval has been confirmed.
9. No devices emitting ionizing radiation will be allowed in the plant, until approved by the Safety Director. This includes x-ray weld checking devices, gauges, radioactive sources, etc.
10. All work tools, equipment, trucks, etc. that need to be cleaned upon completion of project and/or at end of work shift may be rinsed off in an area designated by the Environmental Engineer and arranged for prior to the start of the job.
11. Portable storage hoppers and 500-gallon storage tanks (Blue Geese) are available for Contractors to use as temporary non-hazardous waste containers. Containers are issued through the WWTP Supervisor on Ext. 9273. Arrangement for the use of these containers should be made prior to the job beginning.

12. All projects requiring Asbestos and/or Lead abatement need to be coordinated through the Environmental Engineering Department. Proof of qualification for these types of projects is required before a project bid can be awarded. All projects must be reviewed for the following items: any pre-project material testing, review of all federal, state, and local regulations, regulatory notifications, signage, limiting of access to work site, disposal and any testing required during or after project completion.

CRUCIBLE INDUSTRIES LLC

CRUCIBLE'S REQUIREMENTS FOR

CONTRACTORS, SUB-CONTRACTORS, AND THEIR EMPLOYEES

PART IV

INDUSTRIAL HYGIENE

1. Hazardous Chemicals and/or Conditions

The contractor should request (prior to any work being performed) an overview of where hazardous chemicals, MSDS and/or conditions are located; along with the observations of how exposures may affect contractors' employees. This will enable contractors to prepare for necessary protective equipment on the job.

2. Product Approval

Contractors must submit an inventory list to the Environmental Engineering Department, accompanied by Material Safety Data Sheets, of all products used in conjunction with the work they will perform on Crucible property. All product containers must be properly labeled. The procedure involved in the approval of these chemicals by the Hazardous Substance Committee could take four or five days. If immediate approval is required, the Environmental Engineer must be contacted.

3. Protective Equipment

Protective equipment deemed necessary for job such as: respirators (see Part I, 3a) and hearing protection (see Part I, section 2) must be furnished by contractor. All contractor's employees proper use of said equipment is mandatory according to Crucible and OSHA Standards. Requirements stated above

will be sole responsibility and liability of Contractor.

Improper use of protective equipment could result in work stoppage and/or removal from site.

4. Additional Information

For additional information pertaining to Hazard Communication, Hearing Conservation, Material Safety Data Sheets, contact the Crucible Designated Representative.



STATE FAIR BOULEVARD



- A. North Gate
B. South Gate
C. Shipping Gate
D. Gate Four

1. Main Office
2. M&E Building
3. Pipe Shop
4. 2000 Ton Press
5. 26 Mill
6. Bar Anneal
7. Melt Shop
8. Wire Mill
9. Chem Lab
10. Central Ship
11. CPM Building
12. Rod and Bar Mill
13. Wastewater Treatment
14. Conditioning
15. Hammer Shop
16. Store Room
17. Bar Finish
18. Tool Bit
19. Met Lab
20. Heat Treat
21. Jobbing Mill
22. 14 Inch Mill
23. 12 Inch Mill
24. Scrap Yard

