

General Waste Management Plan

Procedures:

Managing materials more efficiently immediately cuts costs. Better storage and handling reduces waste and makes it easier for materials to be recovered. Reusing materials on site will cut Pagoda Electrical, Inc. disposal costs. This General Waste Management Plan describes the procedure for the management, control and disposition of waste material on the job. The following list of the different categories of materials will be generated during the project:

- . Recyclable Materials
- . Waste/Refuse Materials
- . Reusable Materials

The procedures for the management, control and disposition of these items are described in subsequent sections of this plan. The intension of this plan is to minimize the amount of waste generated on projects to the maximum extent practicable. The goal of this plan is to ensure that most of all waste material generated will be recycled, re-used, or otherwise diverted from direct landfill disposal. To accomplish this goal, Pagoda Electrical, Inc. intends to recycle and reuse as many types of waste material as possible. Each subcontractor is required to follow this plan for the disposition of the waste generated by the subcontractor's activity. Waste Management will be an agenda item at the weekly meetings that Pagoda Electrical, Inc. conducts. The waste management activities described in this plan will be maintained until completion of the job.

Responsibility:

The Safety and Health Manager has the ultimate responsibility for wastes generated during work performed on the project (or owner's site). The Safety and Health Manager has the authority to ensure that all personnel and others will cooperate with this waste management plan. All personnel will be responsible for the correct disposal and handling of waste that they generate. It will also be the responsibility of all personnel to report any shortcoming in the waste handling on site in order to minimize potential impacts. Pagoda Electrical, Inc. will coordinate with the project site manager/owner/ host employer and/or the principal contractor to ensure proper disposal of wastes or scrap materials. For example, Pagoda

Electrical, Inc. will ensure the project site manager/owner/ host employer are aware of whether wastes and scrap materials will be taken off site by Pagoda Electrical, Inc. or will be disposed of on the project site manager/owner/ host employer site property.

Pagoda Electrical, Inc. and host employer and/or the principal contractor will sign a declaration of understanding that they will handle materials efficiently and manage waste appropriately in line with their duty of care.

Waste Minimization:

The job foreman will estimate the waste that will be generated prior to work being performed. The job foreman will identify the types and quantities of waste that the project will produce and set realistic targets for how much of that waste can be reused, recycled or disposed of. This estimate will be used to determine the types of containers needed for waste removal. Because each project/job is different, this estimate will be determined for each and every job regardless if the same type of work and similar waste is expected to be generated. Pagoda Electrical, Inc. is dedicated to maintaining a strict set of guidelines to control the amount of waste and debris disposed in a landfill. Pagoda Electrical, Inc. will be responsible for communication between field personnel and subcontractors regarding minimization requirements during internal weekly construction meetings.

Personal Protective Equipment:

Pagoda Electrical, Inc. and host employer will make exposure determinations for employees that handle waste and other materials and, when appropriate, provide the appropriate and necessary personal protective equipment and hazard training.

Housekeeping and Storage:

Housekeeping activities must minimize the amount of waste and maximize the amount of recyclable material that can be efficiently gathered at the local collection points and minimize the amount of refuse materials. Pagoda Electrical, Inc. will assign housekeeping responsibility to an on-site Company employee who will oversee and manage the field operations with regards to housekeeping and waste management. Pagoda Electrical, Inc. personnel and subcontractors will keep work and storage areas clean and orderly and in a sanitary condition. Stairways, access

ways, and exits will be kept free from scrap, supplies, materials, or equipment.

Waste Storage- Pagoda Electrical, Inc. personnel and subcontractors will:

- . Collect, store, and remove waste, scrap and leftover products at the
- end of each workday or at the end of each work shift.
- . Use only noncombustible containers to dispose of waste, scrap,
- leftover products and rubbish
- . Promptly remove and dispose of spills of flammable or combustible
- liquids.
- . Place scrap lumber in containers and do not allow it to accumulate in
- work areas.
- . Remove or bend over protruding nails unless the scrap lumber is
- placed directly in containers for removal.
- . Tightly close containers when not in use.

Segregation of Materials and Waste- Waste segregation should follow immediately after waste is generated. Waste segregation is the practice of classifying waste and placing it into the appropriate waste container immediately after the waste is generated. Effective segregation will reduce costs, promote recycling and protect the health and safety of all. Pagoda Electrical, Inc. and host employer will:

- Ensure segregation storage for all material is conducted by Pagoda
- Electrical, Inc. personnel and subcontractors
- Ensure project related wastes are stored and maintained in an organized fashion to encourage proper disposal and to minimize risks to personnel.
- Use MSDS to determine appropriate storage segregation.
- Identify and label segregated material containers.
- Provide proper waste receptacles for trash and for materials that may be reused or recycled during a project.
- Following are some examples of materials that must be segregated:
 - a. Ordinary combustibles such as paper, wood, and natural fiber fabrics.
 - b. Storing and handling paints, varnishes, or thinners requires special attention to flammability characteristics.

- c. Store no more than a 1-day supply in buildings under construction.

Effective segregation can be best achieved through:

- Providing education and training programs to all personnel who generate waste
- Identification of material composition (Material Safety Data Sheet);
- Provide suitable containers in appropriate and suitable locations;
- Training- Pagoda Electrical, Inc. will train managers and employees in waste management procedures before starting employment. The following topics shall be covered:
 - Explanation of Pagoda Electrical, Inc. waste and recycling programs;.
 - Operating manuals outlining safe and approved work practices;
 - Proper disposal method of wastes;
 - Material Safety Data Sheets;
 - Provision of and compliance with the use of personal protective equipment;
 - Waste segregation practices to include general instruction on disposal of non-hazardous wastes, trash, or scrap materials;
 - Hazardous waste segregation practices to include proper disposal methods of hazardous material;
 - Costs and benefits of waste management;

Outdoor Housekeeping:

Pagoda Electrical, Inc. personnel and subcontractors will

- Keep the areas adjacent to facilities free from rubbish, waste, and tall, dry vegetation.
- Place combustible waste materials stored outdoors to await subsequent disposal at least 20 feet away from facilities and buildings.
- Immediately and properly store and handle waste materials to minimize the potential for a spill.
- Prevent windblown trash and debris from being swept away and to eliminate the impact of waste material on the environment.
- Ensure receptacles are kept covered to prevent dispersion of waste materials and to control the potential for run-off by leaking into the

environment or being carried into the environment by rain water or the wind.

- Store loose or light materials on roofs or unenclosed height only if they are safely tied down and secured.
- Remove and secure empty bags that contained cement, lime, or other dust-producing material from the work area at least daily.

Materials Management:

All material shall be protected from contamination, weathering and deterioration prior to use. Containers shall be opened as needed and work will be sequenced to use materials efficiently and in a timely fashion. This ensures that the material meets the specified requirements and that unused or off-spec product will not become waste.

Recyclable Material:

All material for recycling will be placed in designated containers furnished by owner/ host employer and Pagoda Electrical, Inc.. These containers will be labeled clearly and according to types of material. Material must be stored and handled so it is acceptable to the recycler.

Pagoda Electrical, Inc. will ensure containers protect the contents from environmental contamination. Recycled material containers will be hauled on an as needed basis, with coordination required between Pagoda Electrical, Inc. and the Owner/ Host Employer.

The Owner/ Host Employer will provide individual appropriate containers at the job site for local collection of material. The location of the containers and pickup/delivery will be coordinated between Pagoda Electrical, Inc. and the Owner/ Host Employer personnel.

Non Recyclable or Refuse Materials:

It will be the responsibility of each Pagoda Electrical, Inc. employee and subcontractor to load and transport all material identified as refuse to a landfill designated by the Owner/ Host Employer. This material may either be demolition debris or construction waste. Any permits required by the designated landfill site,

will be the responsibility of each subcontractor. Pagoda Electrical, Inc. will ensure that all procedures are followed. Permits will be valid throughout the duration of the project.

Documentation:

A record of any and each disposition activity (permits, landfill receipts, weights, weight tickets, and any other receipts) will be maintained at Pagoda Electrical, Inc. by the Safety and Health Manager.

In Conclusion:

Pagoda Electrical, Inc. encourages proper segregation of waste materials to ensure opportunities and benefits for reuse and for recycling. These opportunities and benefits include:

- Reduced waste disposal costs
- Reduced purchase costs
- Reduced compliance costs
- Improved customer satisfaction
- Reduced liability costs
- Decreased employee health problems
- Higher production yields
- Improved corporate image

A good waste reduction and management program takes careful planning, implementation and follow-up, but in the long run, it is worth the effort.