Operation Clean Sweep®
Program Manual

China Plastics Processing Industry Association

December 2023

Contents

Preface

According to data from the European Plastics Manufacturers Association, the global production and consumption of plastics are increasing at an average annual rate of 2%. It is predicted that plastic production will double by 2035 and triple by 2050. By 2050, the cumulative global plastic production is expected to reach 34 billion tons. With the annual increase in plastic production, the consumption of plastic resins is also gradually rising. If the management of plastic resins is improper and they leak into the environment, it may pose long-term and irreversible risks to ecosystems and human health. Therefore, mitigation measures are needed to prevent their accumulation in the environment.

This project manual focuses on the operational scenarios of plastic resins production, transportation, storage, use, and recycling. It identifies the potential for plastic resins leakage in different operational scenarios and at different process stages, and proposes general countermeasures. It provides a reference for the effective on-site management of resins in enterprises. By improving management systems and enhancing employees' awareness, it promotes the achievement of zero leakage of plastic resins.

I. Plastic Resins Production Equipment

(I) Applicable Objects

Plastic resins production enterprises.

(II) General Measures

1. Integrate into Company Management System

Establish a "Plastic Resins Leakage Prevention" management department and incorporate the work of preventing plastic resins leakage into daily management.

2. Compile Plastic Resins Management Manual

Based on this manual, compile the "Plastic Resins Management Manual" in combination with the actual situation of the company. Adhere to its implementation and regularly inspect and record the production site.

3. Tools and Equipment

In the public areas of the workshop, equip with tools for preventing spillage, cleaning, and collecting spilled plastic resins, such as fine - mesh filters to prevent plastic resins from flowing into drainage trenches and the wire - laying trenches on the workshop floor.

4. Training

Conduct training for employees with the theme of "Preventing Plastic Resins Leakage" and regularly assess the standardization of plastic resins management.

5. Information Statistics

Statistically analyze the quantity, types, and leakage locations of the collected spilled plastic resins to summarize the experience in preventing plastic resins leakage.

(III) Countermeasures for Leakage Sources

1. Equipment Malfunctions

Regularly inspect and repair plastic resins granulation equipment, conveying equipment, silos, etc. to avoid plastic resins leakage caused by equipment problems.

2. Sampling Operations

Make sampling containers wide - mouthed and take relevant anti - spillage measures.

3. Filling and Packaging Operations (Including Re - packaging Operations)

Take relevant anti - spillage measures during the filling of plastic resins.

4. Defects in Packaging Containers

Ensure that packaging containers are not damaged before use.

5. Cleaning Operations of Packaging Containers

When cleaning used packaging containers, prevent the spillage of residual plastic resins in them. Recycle and properly store these residual plastic resins.

6. Disposal of Used Packaging Containers

If there are residual plastic resins in discarded packaging containers, collect, recycle, and store the plastic resins at the designated place, and dispose of the discarded packaging containers in a centralized manner at the designated place.

(IV) Countermeasures for Spilled Plastic Resins

1. Immediately conduct dry cleaning for spilled plastic resins and collect the recyclable plastic resins into containers.

2. When the company processes the spilled plastic resins on its own, take appropriate measures to prevent the plastic resins from spilling again.

(V) Countermeasures for Preventing Leakage

1. Install appropriate collection equipment such as fine - mesh filters in the drainage trenches where spilled plastic resins may leak to the outside.

2. During rain, strengthen equipment and management to prevent plastic resins from leaking into the external environment.

3. Treat the collected plastic resins in accordance with the requirements of item 4 above.

II. Plastic Resins Transportation/Storage

(I) Applicable Objects

All operational processes involved in transporting plastic resins from production enterprises, packaged in forms such as plastic bags, plastic woven bags, and plastic drums, to transfer stations and customers' loading and unloading sites via trucks, trains, or ships.

(II) General Measures

1. Integrate into Company Management System

Establish a "Plastic Resins Leakage Prevention" management department and incorporate the work of preventing plastic resins leakage into daily management.

2. Compile Plastic Resins Management Manual

Based on this manual, compile the "Plastic Resins Management Manual" in combination with the actual situation of each company. Adhere to its implementation and regularly inspect and record the site.

3. Tools and Equipment

In the public areas of the workshop, equip with tools for preventing spillage, cleaning, and collecting spilled plastic resins, such as fine - mesh filters to prevent plastic resins from flowing into drainage trenches and the wire - laying trenches on the workshop floor.

4. Training

Conduct training for employees with the theme of "Preventing Plastic Resins Leakage" and regularly assess the standardization of plastic resins management.

5. Information Statistics

Statistically analyze the quantity, types, and leakage locations of the collected spilled plastic resins to summarize the experience in preventing plastic resins leakage.

(III) Countermeasures for Leakage Sources

1. During Loading and Unloading Operations

Inspect loading and unloading machinery and provide education and training for drivers.

2. During Transportation

- Container Breakage Caused by Truck Carriages or Containers

Before loading and unloading plastic resins goods, inspect the inner walls of truck carriages and containers to ensure they do not damage the packaging containers of plastic resins.

- Spillage of Plastic Resins Due to Opening and Closing of Transport Vehicles and Other Reasons

Standardize the opening and closing operations of transport vehicle carriages, and recycle and store the plastic resins attached to them in containers.

- Package Breakage Caused by Cargo Spillage During Transportation

Adopt correct loading methods to prevent cargo spillage.

3. During Storage in Warehouses

- Breakage Caused by Pallet Defects

Do not use defective pallets.

- Breakage Caused by Water Leakage

Take measures to prevent water leakage.

- Package Breakage Caused by Cargo Spillage

Adopt correct loading methods to prevent cargo spillage.

4. Others

- Spillage Caused by Breakage

Take measures such as taping the broken part to prevent spillage.

- Residual Plastic Resins in Used Packaging Containers

Recycle and store in containers the plastic resins remaining in packaging containers that are no longer in use due to breakage or other reasons to prevent spillage.

- Spillage During Sampling and Re - packaging Operations

Use wide - mouthed sampling containers; take measures to prevent plastic resins spillage during re - packaging operations.

(IV) Countermeasures for Spilled Plastic Resins

1. Immediately conduct dry cleaning for spilled plastic resins and recycle the collected plastic resins into containers.

2. For loading and unloading sites with unpaved ground, measures such as laying polyolefin films or mats can be taken to facilitate cleaning.

3. In case of a large - scale spillage of plastic resins, contact the consignor.

4. When handling spilled plastic resins within the company, take appropriate measures to

prevent the plastic resins from spilling again.

(V) Countermeasures for Preventing Leakage

1. Install appropriate collection equipment such as fine - mesh filters in the drainage trenches where spilled plastic resins may leak to the outside for recycling.

2. During rain, strengthen equipment and management to prevent plastic resins from leaking to the outside.

3. Treat the collected plastic resins in accordance with the requirements of item 4 above.

III. Molding Processing Equipment

(I) Applicable Objects

All operational processes including receiving plastic resins in the form of containers or packaged in plastic bags, plastic woven bags, etc. via trucks, storing them, using them in product manufacturing, and then recycling defective products by crushing or re - preparing them into plastic resins.

(II) General Measures

1. Integrate into Company Management System

Establish a "Plastic Resins Leakage Prevention" management department and incorporate the work of preventing plastic resins leakage into daily management.

2. Compile Plastic Resins Management Manual

Based on this manual, compile the "Plastic Resins Management Manual" in combination with the actual situation of each company. Adhere to its implementation and regularly inspect and record the site.

3. Tools and Equipment

In the public areas of the workshop, equip with tools for preventing spillage, cleaning, and collecting spilled plastic resins, such as fine - mesh filters to prevent plastic resins from flowing into drainage trenches and the wire - laying trenches on the workshop floor.

4. Training

Conduct training for employees with the theme of "Preventing Plastic Resins Leakage" and regularly assess the standardization of plastic resins management.

5. Information Statistics

Statistically analyze the quantity, types, and leakage locations of the collected spilled plastic resins to summarize the experience in preventing plastic resins leakage.

(III) Countermeasures for Leakage Sources

1. Bag Breakage During Unloading Caused by Loading and Unloading Equipment (Forklifts, Pallets, etc.) and Loading and Unloading Operations

- Inspect and maintain loading and unloading equipment and train drivers.

- For broken packaging containers, take measures such as taping to prevent plastic resins from spilling.

2. Bag Breakage During Resins Storage

- Do not use defective pallets.

- Take measures to prevent water leakage.

- Adopt correct loading methods to prevent cargo spillage.

3. Spillage of Plastic Resins at the Molding Site

- When Handling Plastic Resins

Take measures to prevent plastic resins from spilling during transportation from the storage place, when being fed into the molding machine, or when entering and leaving the mixer.

Whether manually operated or transported by conveyor devices, take appropriate measures on scaffolds, etc. to prevent plastic resins from spilling when they are moving in and out.

- Residual Plastic Resins in Used Packaging Containers

After the feeding process is completed, completely empty the packaging containers first and dispose of them at the designated place to prevent plastic resins from spilling.

- Product Variety Switching Operations

When removing raw plastic materials from the hopper of the molding machine for product variety switching, take appropriate measures regarding containers or suction methods to prevent plastic resins from spilling.

4. Spillage During Crushing and Re - preparing Plastic Resins at the Recycling Site

Take measures such as enclosing the area around the crusher and the granulator to prevent plastic resins from splashing.

5. Spillage During Sampling of Plastic Resins and Recycled Plastic Resins

- Only conduct sampling in the designated area.

- Take measures to prevent plastic resins from spilling out of the sampling containers.

- Seal the opening of the packaging container tightly after sampling.

(IV) Measures for Spilled Plastic Resins

1. Immediately conduct dry cleaning for spilled plastic resins, recycled plastic resins, and crushed products, and recycle the collected plastic resins into containers.

2. To facilitate the cleaning of spilled plastic resins, pave the ground or lay films and mats.

3. When handling spilled plastic resins within the company, take appropriate measures to prevent the plastic resins from spilling again.

(V) Measures for Preventing Leakage

1. Install appropriate collection equipment such as fine - mesh filters in the drainage trenches where spilled plastic resins may leak to the outside for recycling.

2. During rain, strengthen equipment and management to prevent plastic resins from leaking to the outside.

3. During foam plastic molding (pre - expanded bead molding), it is especially necessary to strengthen items (1) and (2) above.

4. Treat the collected plastic resins in accordance with the requirements of item 4 above.

IV. Research and Testing Equipment

(I) Applicable Objects

All operational processes involving the receipt and storage of plastic resins, as well as the handling of plastic resins during experiments, research, and inspections.

(II) General Measures

1. Integrate into Company Management System

Establish a "Plastic Resins Leakage Prevention" management department and incorporate the work of preventing plastic resins leakage into daily management.

2. Compile Plastic Resins Management Manual

Based on this manual, compile the "Plastic Resins Management Manual" in combination with the actual situation of each company. Adhere to its implementation and regularly inspect and record the site.

3. Tools and Equipment

In the public areas of the workshop, equip with tools for preventing spillage, cleaning, and collecting spilled plastic resins, such as fine - mesh filters to prevent plastic resins from flowing into drainage trenches and the wire - laying trenches on the workshop floor.

4. Training

Conduct training for employees with the theme of "Preventing Plastic Resins Leakage" and regularly assess the standardization of plastic resins management.

5. Information Statistics

Statistically analyze the quantity, types, and leakage locations of the collected spilled plastic resins to summarize the experience in preventing plastic resins leakage.

(III) Countermeasures for Leakage Sources

1. During Loading and Unloading Operations

- Maintain and inspect loading and unloading equipment in accordance with the Plastic Resins Management Manual.

- For broken packaging containers, take measures such as sealing.

2. During Handling and Storage

- Package Container Breakage Caused by Pallet Defects

Do not use defective pallets.

- Package Container Breakage Caused by Water Leakage

Take measures to prevent water leakage.

- Package Container Breakage Caused by Cargo Spillage

Adopt correct loading methods to prevent cargo spillage.

3. Around Research and Testing Equipment

- When Handling Plastic Resins, Entering and Leaving the Mixer, or Feeding into the Molding Machine Hopper

Take appropriate measures in terms of scaffolds and working methods to prevent plastic resins from spilling.

- When Preparing Recycled Plastic Resins

Take measures such as enclosing the area around the cutting tool and prevent plastic resins from spilling during bag - filling operations.

- Use wide - mouthed sampling containers, etc.

- When Discharging from Packaging Containers

Completely empty the packaging containers. Dispose of the packaging containers at the designated place to prevent plastic resins from spilling. For packaging containers with remaining plastic resins, keep the container openings closed to prevent material leakage.

(IV) Measures for Spilled Plastic Resins

1. Immediately conduct dry cleaning for spilled plastic resins and recycle the collected plastic resins into containers.

2. To facilitate the cleaning of spilled plastic resins, pave the ground or lay films and mats.

3. When the company handles spilled plastic resins on its own, take appropriate measures to prevent the plastic resins from spilling again.

(V) Measures for Preventing Leakage

1. Install appropriate collection equipment such as fine - mesh filters in the drainage trenches where spilled plastic resins may leak to the outside for recycling.

2. During rain, strengthen equipment and management to prevent plastic resins from leaking to the outside.

3. Treat the collected plastic resins in accordance with the requirements of item 4 above.

V. Machinery Manufacturing/Mold Manufacturing

(I) Applicable Objects

Enterprises engaged in the manufacturing of machinery and molds related to plastic resins processing, as well as operations in the machinery and mold testing processes.

(II) General Measures

1. Integrate into Company Management System

Establish a "Plastic Resins Leakage Prevention" management department and incorporate the work of preventing plastic resins leakage into daily management.

2. Compile Plastic Resins Management Manual

Based on this manual, compile the "Plastic Resins Management Manual" in combination with the actual situation of each company. Adhere to its implementation and regularly inspect and record the site.

3. Tools and Equipment

In the public areas of the workshop, equip with tools for preventing spillage, cleaning, and collecting spilled plastic resins, such as fine - mesh filters to prevent plastic resins from flowing into drainage trenches and the wire - laying trenches on the workshop floor.

4. Training

Conduct training for employees with the theme of "Preventing Plastic Resins Leakage" and regularly assess the standardization of plastic resins management.

5. Information Statistics

Statistically analyze the quantity, types, and leakage locations of the collected spilled plastic resins to summarize the experience in preventing plastic resins leakage.

(III) Countermeasures for Leakage Sources

1. During Loading and Unloading Operations

- Package Container Breakage Caused by Loading and Unloading Equipment

Maintain and inspect loading and unloading equipment and train drivers.

- Package Container Breakage Caused by Loading and Unloading Operations

When the container is broken, take measures such as sealing the broken part to prevent plastic resins from spilling.

2. During Resins Storage

- Package Container Breakage Caused by Defects in Pallets and Shelves

Maintain and inspect storage equipment.

- Package Container Breakage Caused by Water Leakage

Take measures to prevent water leakage.

- Package Container Breakage Caused by Cargo Spillage, etc.

Adopt correct loading methods to prevent cargo spillage.

3. During Molding Tests and Mold Tests

- Possible Spillage When Transporting and Feeding Plastic Resins from the Storage Place

When transporting and feeding plastic resins into the molding machine, take appropriate measures in terms of scaffolds and working methods to prevent plastic resins from spilling.

- Possible Residual Plastic Resins in Used Packaging Containers

When feeding resins, completely empty the packaging containers and dispose of them at the designated place to prevent plastic resins from spilling.

- Possible Spillage When Removing Plastic Resins from Inside Machines Such as Hoppers

When removing plastic resins from inside machines, take appropriate measures regarding containers or suction methods to prevent plastic resins from spilling.

- Possible Spillage of Plastic Resins in Packaging Containers with Remaining Plastic Resins

Seal the openings of packaging containers with remaining plastic resins.

(IV) Measures for Spilled Plastic Resins

1. Immediately conduct dry cleaning for spilled plastic resins and recycle the collected plastic resins into containers.

2. To facilitate the cleaning of spilled plastic resins, pave the ground or lay films and mats.

3. When handling spilled plastic resins within the company, take appropriate measures to prevent the plastic resins from spilling again.

(V) Measures for Preventing Leakage

1. Install appropriate collection equipment such as fine - mesh filters in the drainage trenches where spilled plastic resins may leak to the outside for recycling.

2. During rain, to prevent plastic resins from leaking to the outside, strengthen equipment and management.

3. Treat the collected plastic resins in accordance with the requirements of item 4 above.

VI. Recycling Processing/Coloring

(I) Applicable Objects

All processes including the purchase, storage, and use of plastic resins or their crushed products, which are packaged in plastic bags, plastic woven bags, etc. and transported by trucks, in the production of recycled plastic resins and colored plastic resins, and then the shipment of these recycled and colored plastic resins.

(II) General Measures

1. Integrate into Company Management System

Set up a "Plastic Resins Leakage Prevention" management department and incorporate the prevention of plastic resins leakage into daily management.

2. Compile Plastic Resins Management Manual

Based on this manual, compile the "Plastic Resins Management Manual" according to the actual situation of each company. Adhere to its implementation and regularly inspect and record the site.

3. Tools and Equipment

In the public areas of the workshop, equip with tools for preventing spillage, cleaning, and collecting spilled plastic resins, such as fine - mesh filters to prevent plastic resins from flowing into drainage trenches and the wire - laying trenches on the workshop floor.

4. Training

Conduct training for employees with the theme of "Preventing Plastic Resins Leakage" and regularly assess the standardization of plastic resins management.

5. Information Statistics

Statistically analyze the quantity, types, and leakage locations of the collected spilled plastic resins to summarize the experience in preventing plastic resins leakage.

(III) Countermeasures for Leakage Sources

1. During Incoming and Outgoing Goods Operations

- Package Container Breakage Caused by Loading and Unloading Equipment

Maintain and inspect loading and unloading machinery and train drivers.

- Package Container Breakage Caused by Loading and Unloading Operations

For products with broken bags, take measures such as taping to prevent spillage.

2. During Storage

- Bag Breakage Caused by Defects in Pallets or Shelves

Maintain and inspect storage equipment.

- Bag Breakage Caused by Water Leakage

Take countermeasures to prevent leakage.

- Bag Breakage Caused by Cargo Spillage

Adopt correct loading methods to prevent cargo spillage.

3. Plastic Resins Leakage at the Molding Site

- When Transporting from the Plastic Resins Storage Place, Entering and Leaving the Mixer, and Feeding Materials

When transporting and feeding plastic resins, take appropriate measures in terms of scaffolds and working methods to prevent plastic resins from spilling.

- When Pelletizing Plastic Resins

When melting plastic resins, take measures such as enclosing the area around the cutting tool to prevent plastic resins from splashing.

- During Sampling Operations

Use wide - mouthed sampling containers to prevent plastic resins from spilling.

- During Product Plastic Resins Filling and Packaging Operations (Including Re - packaging Operations)

When filling and packaging plastic resins, take measures to prevent plastic resins from spilling.

- Residual Plastic Resins in Used Packaging Containers

When feeding materials, completely empty the used packaging containers and dispose of them at the designated place to prevent plastic resins from spilling.

- Packaging Containers with Remaining Plastic Resins

Seal the openings of packaging containers.

(IV) Countermeasures for Spilled Plastic Resins

1. Immediately conduct dry cleaning for spilled plastic resins (on vehicles and on the ground) and recycle the collected plastic resins into containers.

2. For unpaved loading and unloading sites, take measures to facilitate cleaning, such as laying

films and mats.

3. In case of a large - scale spillage of plastic resins, contact the consignor.

4. When handling spilled plastic resins within the company, take appropriate measures to prevent the plastic resins from spilling again.

(V) Countermeasures for Preventing Leakage

1. Install appropriate collection equipment such as fine - mesh filters in the drainage trenches where spilled plastic resins may leak to the outside for recycling.

2. During rain, to prevent plastic resins from leaking to the outside, strengthen equipment and management.

3. Treat the collected plastic resins in accordance with the requirements of item 4 above.

VII. Composite Recycling

(I) Applicable Objects

All processes involving the collection, storage, and use of recycled plastic resins, crushed products, or molding debris, which are packaged in plastic bags, plastic woven bags, etc., in the production of recycled processed products.

(II) General Measures

1. Integrate into Company Management System

Establish a "Plastic Resins Leakage Prevention" management department and incorporate the work of preventing plastic resins leakage into daily management.

2. Compile Plastic Resins Management Manual

Based on this manual, compile the "Plastic Resins Management Manual" in combination with the actual situation of each company. Adhere to its implementation and regularly inspect and record the site.

3. Tools and Equipment

In the public areas of the workshop, equip with tools for preventing spillage, cleaning, and collecting spilled plastic resins, such as fine - mesh filters to prevent plastic resins from flowing into drainage trenches and the wire - laying trenches on the workshop floor.

4. Training

Conduct training for employees with the theme of "Preventing Plastic Resins Leakage" and regularly assess the standardization of plastic resins management.

5. Information Statistics

Statistically analyze the quantity, types, and leakage locations of the collected spilled plastic resins to summarize the experience in preventing plastic resins leakage.

(III) Countermeasures for Leakage Sources

1. During Incoming and Outgoing Goods Operations

- Package Container Breakage Caused by Loading and Unloading Equipment

Maintain and inspect loading and unloading machinery (such as forklifts) and train drivers.

- Package Container Breakage Caused by Loading and Unloading Operations

If a bag breaks during loading and unloading operations, immediately take measures such as taping to prevent plastic resins from spilling.

2. When Storing Plastic Resins

- Package Container Breakage Caused by Defects in Pallets or Shelves

Do not use defective pallets or shelves.

- Bag Breakage Caused by Water Leakage

Take measures to prevent water leakage.

- Package Breakage Caused by Cargo Spillage

Adopt correct loading methods to prevent cargo spillage.

3. During the Composite Recycling Process

- When Transporting from the Plastic Resins Storage Place, Entering and Leaving the Mixer, and Feeding Materials

When transporting and feeding plastic resins, take appropriate measures in terms of scaffolds and working methods to prevent plastic resins from spilling.

- Residual Plastic Resins in Used Packaging Containers

After the feeding process is completed, completely empty the packaging containers and dispose of them at the designated place to prevent plastic resins from spilling.

- Packaging Containers with Remaining Plastic Resins

Seal the openings of packaging containers.

(IV) Countermeasures for Spilled Plastic Resins

1. Immediately conduct dry cleaning for spilled plastic resins (on vehicles and on the ground) and recycle the collected plastic resins into containers.

2. For unpaved loading and unloading sites, take measures to make them easy to clean, such as laying films and mats.

3. In case of a large - scale spillage of plastic resins, contact the consignor.

4. When handling the spillage within the company, provide appropriate guidance and advice to prevent re - spillage.

(V) Countermeasures for Preventing Leakage

1. Install appropriate collection equipment such as fine - mesh filters in the drainage trenches where spilled plastic resins may leak to the outside for recycling.

2. During rain, to prevent plastic resins from leaking to the outside, strengthen equipment and

management.

3. Treat the collected plastic resins in accordance with the requirements of item 4 above.

VIII. Waste Plastic Treatment

(I) Applicable Objects

All operational processes related to the collection, transportation, storage, incineration, and landfill treatment of waste plastics (waste plastic resins, debris, etc.).

(II) General Measures

1. Integrate into Company Management System

Establish a "Plastic Resins Leakage Prevention" management department and incorporate the work of preventing plastic resins leakage into daily management.

2. Compile Plastic Resins Management Manual

Based on this manual, compile the "Plastic Resins Management Manual" in combination with the actual situation of each company. Adhere to its implementation and regularly inspect and record the site.

3. Tools and Equipment

In the public areas of the workshop, equip with tools for preventing spillage, cleaning, and collecting spilled plastic resins, such as fine - mesh filters to prevent plastic resins from flowing into drainage trenches and the wire - laying trenches on the workshop floor.

4. Training

Conduct training for employees with the theme of "Preventing Plastic Resins Leakage" and regularly assess the standardization of plastic resins management.

5. Information Statistics

Statistically analyze the quantity, types, and leakage locations of the collected spilled plastic resins to summarize the experience in preventing plastic resins leakage.

(III) Countermeasures for Leakage Sources

1. During the Collection of Waste Plastics (Waste Plastic Resins, Debris, etc.)

Waste plastic resins must be collected in sealed bags to prevent plastic resins leakage.

2. During Transportation and Storage

- Package Container Breakage Caused by Protrusions, etc.

Be careful not to break the packaging containers due to protrusions and other factors when handling goods.

- Package Container Breakage Caused by Water Leakage

Take measures to prevent water leakage.

3. Spillage of Plastic Resins during Incineration and Landfill Treatment

- When incinerating waste plastics collected in bags or containers, especially when feeding them into the incinerator, be careful to prevent plastic resins from spilling.

- When conducting landfill treatment, cover the waste plastics with soil properly and pay attention to preventing runoff caused by rainwater, etc.

(IV) Countermeasures for Spilled Plastic Resins

1. Immediately conduct dry cleaning for spilled plastic resins and recycle the collected plastic resins into containers.

2. For the sites where waste plastic resins goods are processed, take measures to make them easy to clean, such as laying films and mats.

3. The collected plastic resins should be incinerated or landfilled to prevent re - spillage.

(V) Countermeasures for Preventing Leakage

1. Install appropriate collection equipment such as fine - mesh filters in the drainage trenches where spilled plastic resins may leak to the outside for recycling.

2. During rain, to prevent plastic resins from leaking into the external environment, strengthen equipment and management.

3. Treat the collected plastic resins in accordance with the requirements of item 4 above.

Conclusion

This manual is a general - purpose one. Based on it, each enterprise can compile its own plastic resins management manual, which is used to improve the standardized management level of enterprise resins, strive to achieve zero leakage of plastic resins, fulfill social responsibilities, and make due contributions to environmental protection.

In addition, if you have any supplementary suggestions for this manual, please feel free to contact the China Plastics Processing Industry Association.

Department: Sustainable Development

E-mail: ocschinacppia@163.com