



Purpose

Plastic in any form is a known contaminant in wood chips to DMI's Peace River Pulp Mill operation. The purpose of these guidelines is to recommend ways suppliers can reduce the risk of delivering chips that have been contaminated with chips delivered to DMI.

Policy

This procedure forms an integral part of the PRPD 'Plastic in the Workplace' policy which states that DMI recognizes the necessity of plastic in the workplace; however trace levels of plastic contamination in pulp can lead to lost production, lost revenue and lost customer confidence. Although it is impossible to eliminate plastic in the workplace, it is possible for suppliers to eliminate plastic from entering the wood chip stream. With the cooperation of our suppliers, DMI can significantly reduce the probability of sending contaminated pulp to a plastic sensitive customer.

The best practices for plastic contamination control are through prevention, measurement, containment, and removal. Prevention is the best strategy to eliminate plastic contamination and a successful prevention program is built on strong awareness and education of the supplier's staff, contractors, and visitors.

DMI encourages all chip suppliers will develop a plastic control program (example attached) and a contamination response plan. Under the program, new employees should receive plastic control information during their site-specific orientation within the first two days of employment.

Plastic Control Program

DMI will assist suppliers with development of their plastic control program. The program will be built for the suppliers business, and DMI will act as a resource during the development of the program. The program should cover such things as; education and orientation, plastic audits of the worksite and containment and control of plastic on site (see attached example).

Contamination Response Plan

All chip suppliers, together with DMI, will maintain an Active Contamination Plan. The purpose of the plan is to set a supplier specific procedure that will be used when there is a known or suspected contamination in the wood chips delivered to DMI.

Handling of Contaminated Loads at PRPD

When a contaminated load arrives on site, DMI will take the following steps to isolate the load and dispose of it:

1. Loader 135 will direct the truck to one of the chip dumpers.
2. If possible, the contaminated load will be put on an empty pad (this may require a manual over ride) or isolation of chips on an existing pile.
3. The load is then removed from the chip pad or pile and moved to the hog fuel pad.
4. The person operating Loader 135 will inform the Fibre Handling Supervisor that the contaminated load has been disposed of.





5. The Forest Resources Supervisor initiates or follows up on the Incident Investigation Report CHK-0007 from the supplier.
6. Incident investigation is conducted, reported and is tracked as per the Forest Resources Incident Investigation Reporting Procedure (FR-G013).

Supplier Audits

Supplier plastic control programs will be audited by DMI on an annual basis. Elements to be covered during supplier audits will include:

1. employee plastic awareness including contamination response;
2. supplier housekeeping as it relates to plastic;
3. use and control of plastic in the supplier’s operation;
4. supplier’s equipment / parts storage, purchasing policies and procedures;
5. contamination response plan; and
6. contamination incident investigations

REVISION HISTORY

Original issued: March 29, 2010 Author: Forest Resources Supervisor- Chip Procurement

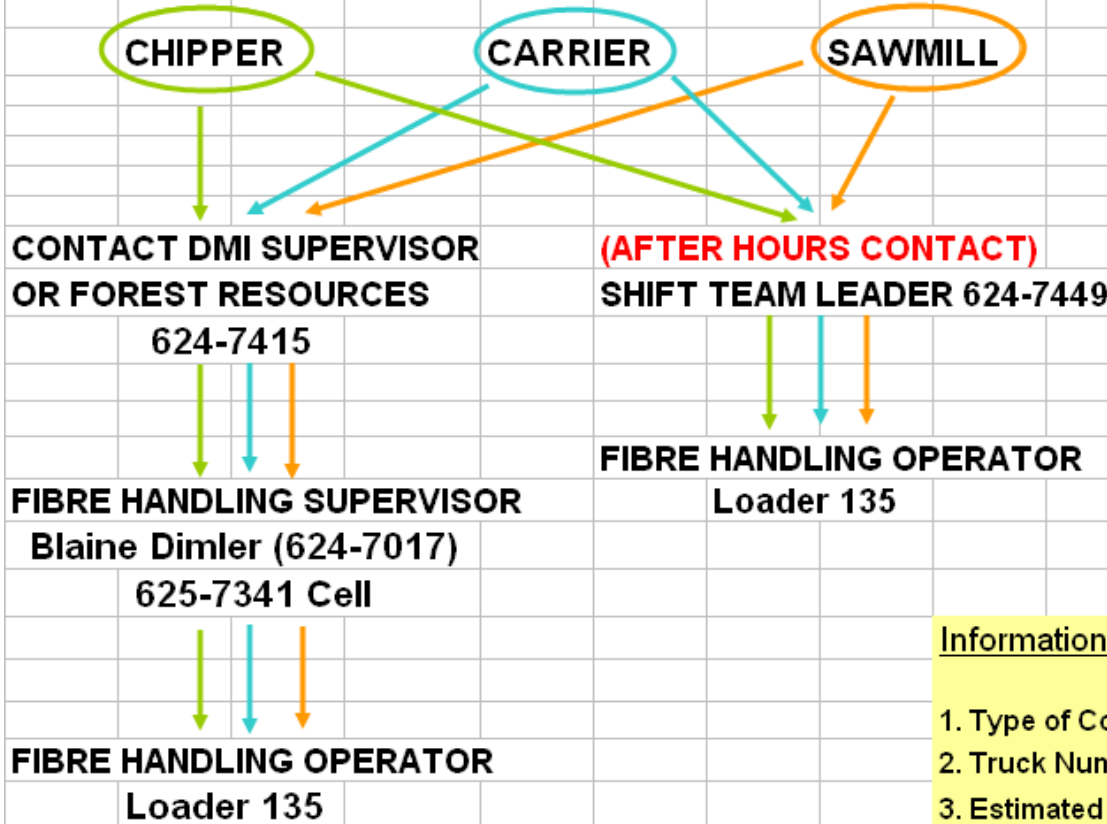
APPROVAL:

Approved:	S. ELKINS	EMS Coordinator – Forest Resources
Approved:	S. SZABO	Business Unit Leader - Forest Resources





FLOWCHART FOR REPORTING CONTAMINATION TO DMI



Information Required on Load

1. Type of Contamination Suspected
2. Truck Number
3. Estimated Time of Arrival at DMI

When truck leaves In-Bound scale, contact Loader # 135 on radio and inform operator that the contaminated load has arrived and the operator will give further instructions

If you are not able to get through on the first try, keep trying until contact is made with a DMI employee. Under NO CIRCUMSTANCES should a contaminated load be dumped until DMI has been notified and gives instructions to the truck driver.





Appendix- Example Contamination Control Plan

Plastic Control Program

Plastic in any form is a known contaminant in wood chips to DMI's Peace River Pulp Mill operation. The purpose of this Plastic Control Plan is to set policy and procedures that will be used by each supplier to reduce the risk of plastic contamination in the chips they deliver to DMI.

Plastic Control

1. Education and Orientation – All employees will receive the necessary base information on the problem with 'plastic in chips' and a definition of the individual employee's role and responsibility in ensuring plastic does not enter the chip stream. New employees will receive plastic control training during their orientation.
2. Control of Domestic Garbage – All domestic garbage will be kept in secure locations away from equipment/conveyors (all sources of entry to the chip stream). Plastic food and drink containers are allowed in operator booths but must be removed by the employee at the end of their shift. No food or drink containers allowed outside the booths unless they are metal or wrapped in metal tape that will be picked up by a metal detector. All domestic garbage will be disposed off in the nearest reciprocal or waste dumpster.
3. Lubricant or Parts Storage – Lubricant buckets, oil containers and spare parts are to be kept in a secure location. During maintenance periods, parts will be stripped of packaging before being taken out of the secure location, if possible. If not possible, the parts will be taken in a box or pail where the packaging will remain after the part is installed and the box or pail brought back to the secure location for disposal of the packaging. Lubricants and grease may be taken out into the mill but partially full or empty containers must be moved back to the main storage point.
4. Plastic Inspection – There are numerous examples of UHMW (e.g. wear plates, J hooks), hydraulic hoses, belts and conveyors on site that need constant inspection. The supplier commits to inspect these areas at a regular interval to confirm the integrity of the plastic and rubber pieces.
5. The supplier agrees to maintain an active Contamination Response Plan which will be posted and easily accessible for all employees. It is attached as a separate document.

Agreed to this ____ day of October, 2009

The Supplier

Daishowa Marubeni International Ltd.





Contamination Response Plan

Plastic in any form is a known contaminant in wood chips to DMI’s Peace River Pulp Mill operation. The purpose of this Plastic Control Plan is to set policy and procedures that will be used by each supplier to reduce the risk of plastic contamination in the chips they deliver to DMI.

Contamination Response

1. If any employee or contractor believes that contamination has occurred in the wood chips being loaded at their site, enroute to the pulp mill or already delivered to the pulp mill that person is required to contact their Supervisor. If the supervisor is not on site, then his designate.
2. The Supervisor will determine the scope of the contamination and take responsibility to communicate with DMI.
3. The Supervisor will take immediate steps to isolate the contamination on their site. In some cases, this may result in dumping chip bins to ensure no contamination leaves the site.
4. The Supervisor will then contact DMI (see attached Flowchart for Reporting Contamination to DMI) to inform them of the situation.
5. Within 24 hours of contacting DMI, the Supervisor will complete and forward a copy of DMI’s Incident Investigation Report (http://www.dmi.ca/about_dmi/dmi_in_alberta/prpd/ems/documents/CHK-007IncidentAccidentInvestigationReportREV1.3f.pdf) to the appropriate DMI Forest Resources supervisor.
6. The Forest Resources supervisor will review and complete the report as per the approved procedure.

Agreed to this ____ day of October, 2009

The Supplier

Daishowa Marubeni International Ltd.

