



**HEALTH PRODUCTS**  
**STEWARDSHIP ASSOCIATION**

**PROGRAM PLAN FOR THE MANITOBA  
MEDICATIONS RETURN PROGRAM**

**Submitted to**

**Green Manitoba**  
*An Agency of the Manitoba Government*

*May 2016*

## Pharmaceutical and Health Products Plan Renewal

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# Medications Program Plan

## 1. Executive Summary

The *Household Hazardous Material and Prescribed Material Stewardship Regulation* (MR 16/2010) under the *Waste Reduction and Prevention Act* (WRAP Act) creates a set of requirements and criteria for two categories; pharmaceutical products category and natural health products category, both captured under the *Manitoba Medications Return Program* (MMRP). Since 2011, the *Health Products Stewardship Association* (HPSA) has administered the MMRP for prescriptions drugs, over-the-counter medications and natural health products sold for use in the province of Manitoba but limited to the “consumer/residential” waste stream. The program is designed to ensure that the collection service is available to all regions of the province and products returned are packaged, handled, transported and disposed of in a safe, compliant and environmentally responsible manner. Collection of “pharmaceutical” waste is in place at more than 319 pharmacies licensed by the *Manitoba College of Pharmacists* across the province.

This program provides a collective strategy for the health industries producers to comply with the Manitoba Regulation 16/2010. The MMRP plan will cover a five-year period from January 1, 2017 to December 31, 2021, at which time the plan will need to undergo a review.

The MMRP plan renewal has been shared with our network of pharmacies (319) including the Pharmacists Manitoba Inc., Manitoba College of Pharmacists, Neighbourhood Pharmacy Association of Canada, HPSA membership (161) and key stakeholders for comments and input during the HPSA consultation period.

This plan was posted on the HPSA web site ([www.healthsteward.ca](http://www.healthsteward.ca)) for the general public and other interested stakeholders to review during the consultation period (45 days) held in the fall of 2015. Comments received as part of a public consultation are recorded in Appendix E.

## 2. Glossary of Acronyms and Definitions

### Glossary

CAP:	Canada-Wide Action Plan for EPR
CAPDM:	Canadian Association for Pharmacy Distribution Management
CCME:	Canadian Council for Ministers of the Environment
CWS	Minister of Conservation and Water Stewardship
EPR:	Extended Producer Responsibility
FDA	Food and Drugs Acts & Regulations (Canada)
GMES:	Green Manitoba Eco Solutions
HHM	Household Hazardous Material
HPSA:	Health Products Stewardship Association
ISO:	Industry Stewardship Organization
MCP:	Manitoba College of Pharmacists
MMRP:	Manitoba Medications Return Program
NHP	Natural Health Products Regulations
MR (16/2010):	Household Hazardous Material and Prescribed Material Stewardship Regulation
NPAC:	Neighbourhood Pharmacies Association of Canada
PM:	Pharmacists Manitoba Inc.
RCC:	Retail Council of Canada
WRAP Act:	Waste Reduction and Prevention Act

### Terms and Definitions

- a) Collection Location(s): A location, typically a retail pharmacy, at which the collection of pharmaceutical and natural health products are provided for. In the case of a retail pharmacy, it must have a dispensary that is accessible to the general public during normal business hours to be eligible as a collection location.
- b) Consumer: Means an individual acting for personal, family or household purposes.
- c) Medications: For the purposes of the MMRP, the pharmaceuticals product and natural health products categories are defined in three sub-categories:
  - All prescriptions drugs
  - Over-the-Counter Medications
  - Natural Health Products
- d) Natural Health Products (Designated Material): Under the *WRAP Act*, a natural health product as defined in The Natural Health Products Regulation under The Food and Drugs Act (Canada). *This category is limited to household quantities of natural health products.*
- e) Pharmaceutical Products (Designated Material): Under the *WRAP Act*, a pharmaceutical product is a substance or mixture of substances manufactured, sold or represented for use in:
  - i. the diagnosis, treatment, mitigation or prevention of a disease, disorder or abnormal physical state, or its symptoms; or,

- ii. restoring, correcting or modifying organic functions; including, but not limited to, medications available with or without a prescription, but not including contact lens disinfectants, antidandruff products and shampoos, cosmetics, antiperspirants, antiseptic or medicated skin-care products, sunburn protectants, mouthwashes, fluoridated toothpastes, and veterinary medications and products.

*This category is limited to household quantities of pharmaceutical products.*

- f) Program Plan: A document that provides producers with a strategy for individually or collectively managing the extended producer responsibility of their products including any safety, environmental and regulatory requirements.
- g) Producer: means the steward of designated material. For the purposes of the industry stewardship plan, the steward for pharmaceutical and natural health products is:
  - i. the first person who, in the course of business in Manitoba, supplies a designated material to another person; or
  - ii. a person who, in the course of business in Manitoba, uses a designated material obtained in a supply transaction outside of Manitoba.

*For the purpose of this Plan, a producer will be deemed to be the brand-owner or first importer into Manitoba when applicable.*

In compliance with the *MR 16/2010*, producers must demonstrate participation in an approved program in order to do business in Manitoba. Producers deemed to be in non-compliance with program requirements will be subject to enforcement of the Regulation which is the responsibility of the Government of Manitoba.

### 3. Introduction

The purpose of this document is to apply for plan renewal for the pharmaceuticals and natural health product material categories under the Government of Manitoba's MR 16/2010. The primary objective of this document is to ensure, through a detailed program plan, that HPSA members with pharmaceutical and/or natural health products are in compliance with the Manitoba *WRAP Act*.

#### 3.1 Designated material categories and sub-categories:

Pharmaceuticals and Natural Health Products are regulated by Health Canada under the *Food and Drugs Act and Regulations* and the *Natural Health Products Regulations*.

For the purposes of the MR 16/2010 the pharmaceuticals product category will be limited to 2 sub-categories:

- All prescriptions drug      All dosage forms
- Over-the-Counter drug      Limited to medications that are absorbed through the bloodstream.  
Including patches, antibiotics or anti-fungal agents.

A pharmaceutical does not include the following:

- A substance or mixture used as a disinfectant for premises
- A food within the meaning of section 2 of the *Food and Drugs Act* (Canada).
- A cosmetic within the meaning of section 2 of the *Food and Drugs Act* (Canada).
- is limited to household quantities

For the purposes of the MR 16/2010 the Natural Health Products category are all natural health products (NHPs) sold in Canada subject to the *Natural Health Products Regulations*. The NHP is limited to medications that are absorbed through the bloodstream.

- Natural Health Products      Limited to medications that are absorbed through the bloodstream.

A Natural Health Products does not include the following

- food and beverage products,
- is limited to household quantities.

## 4. Health Products Stewardship Association

The Health Products Stewardship Association (HPSA) is a non-profit organization that is funded by leading suppliers in the health products industry to administer Medications Return Programs and Sharps Collection Programs throughout the country. As a Producer Responsibility Organization (PRO), the HPSA administers the regulated Extended Producer Responsibility (EPR) programs for health products in Canada.

Originally started in the province of British Columbia, today there are several regulated programs offered in Manitoba, Ontario and Prince-Edward-Island. There are also voluntary programs in Alberta and Nova Scotia. All of these programs provide excellent value for Canadians, with brand owners covering the full costs of safely disposing of the medications and sharps collected. Pharmacies also play a key role in the success of the programs by serving as collection sites voluntarily and without compensation. Pharmacies are not legally required to act as collection sites, but owners and operators have found the environmentally-friendly, community-minded service creates customer loyalty.

The HPSA was established in 1999 as a federal not-for-profit corporation, and is guided by a board of directors whose members are leaders from Canada's prescription drugs, consumer health products and medical devices (sharps) industries. Our member producers have been engaged, active and supportive participants in these programs.

Today, the HPSA draws on more than 15 years of experience as a national Producer Responsibility Organization. The knowledge and network we have built helps us promote our programs and educate Canadians on material collection, end of life material management and the regulatory framework for take-back programs in this country. We represent more than [161 health products brand-owners](#) in Canada and collect and safely dispose of 600 tons of medications and sharps every year, helping to protect Canadians and the Canadian environment.

- VISION:** To be the National Steward for environmental waste management programs of post-consumer health products.
- MANDATE:** To manage health products from the public in a cost efficient and environmentally acceptable manner that meets government policy or legislation for our members.
- PRINCIPLES:** Meet stewardship obligations in the most cost-effective manner.
- Ensure a level playing field among the health products industries.

## GOALS

As we work with our members to improve our existing programs and develop new programs, we are guided by the following goals:

1. **Set High Environmental Standards:** We will ensure materials are disposed of in a responsible manner that safeguards the environment and worker health and safety in accordance with the requirements under the Environmental Protection Act.
2. **Ensure Operational Efficiency:** We will ensure our programs are delivered effectively and efficiently at the lowest possible cost.
3. **Promote Fairness:** We will provide a level playing field (fair competition), achieve a high level of compliance, and reduce the potential for free-riders. All producers are treated equitably with no cross subsidization of product types.
4. **Ensure Sound Fiscal Management:** We will ensure that revenue from members are in balance with the expenses and fees, closely reflecting the costs of managing each obligated product.  
We will also ensure sustainable management of the association by maintaining an appropriate operating contingency reserve (OCR), but not accumulating a surplus.
5. **Strive for Continuous Improvement:** We will adhere to recognized best practices and strive for continuous improvement in environmental and economic performance in a scalable fashion.
6. **Seek Harmonization:** We will seek to harmonize with other related programs to the greatest extent possible, in an effort to achieve economies of scale.
7. **Ensure Accessibility:** We will strive to ensure all consumers have reasonable access to collection sites.

## FINANCIAL ACCOUNTABILITY

- a) **Budget:** The program will be managed and funded by members based on fees on the sale of products in Manitoba. Fees will be subject to GST. The fees will be set yearly using estimates for program costs and product sales units (NHP's). Fees may be adjusted to address surpluses or deficits, but all fees will be used for program purposes in Manitoba.
- b) **Reserve Fund:** As part of its risk management system, the program intends to build and maintain a reserve fund. The reserve fund will stabilize program funding in the case of unexpected collection volume increases, fluctuations in operating costs or reduced revenue due to economic or other factors.
- c) **Producer Compliance:** In order to maintain a 'level playing field' for the contributing members and to ensure compliance with the Regulation, the program will actively search for, identify and recruit producers of program products. If a potential member has not joined the program despite repeated notifications of their obligations, the program will refer the matter to the Manitoba Ministry of Conservation and Water Stewardship regulatory for potential enforcement proceedings.

## 5. Manitoba Medications Return Program

In compliance with the WRAP Act, the MMRP will provide all Manitoba residents with reasonable access to collection sites on a province-wide basis. HPSA will be responsible for strategic planning as well as overseeing program and financial operations including contracting services to managing day-to-day operations of the program. The program requirements and criteria for stewardship programs under the MR 16/2010 are outlined on the left column of Table 1 with the right column identifying the program components that address each requirement:

Table 1: Program Requirements

<b>Household Hazardous Material and Prescribed Material Stewardship Regulation Requirement</b>	<b>HPSA Program Component</b>
1. The establishment and administration of a waste reduction and prevention program for household hazardous material or prescribed material.	Approved program plan for the collection and safe disposal of post-consumer medications.
2. The appropriate management of waste material in accordance with any written guidelines established by the minister.	Proper management of post-consumer pharmaceutical waste including consideration of risks associated with Controlled Substances.
3. A province-wide, convenient collection system for waste material without user fees at the point of collection.	Reasonable and free consumer access to a province-wide retail pharmacy collection network. The network is equal to or greater than 80% of all retail pharmacies accredited by the Manitoba College of Pharmacists. No user fee is directed to the consumer at the point of purchase or at the point of collection.
4. A system for the payment of expenditures incurred in the collection, transportation, storage, processing and disposal of waste material in connection with the waste reduction and prevention program.	Funding from the health industry covers all of the expenses incurred for the collection, transportation, storage, secure disposal, promotion activities and education in connection with the MMRP.
5. The orderly collection of revenues from subscribers to the program in balance with expenditures for the program.	HPSA staff administers the program and its various components, including contracts with service providers.
6. The establishment and administration of education programs for the purpose of the waste reduction and prevention program.	The development and dissemination of promotion and educational material for the program to HPSA collection sites for the public including pharmacists, municipalities, health authorities and other

	partners working in this field.
7. The establishment and administration of a point of sale information program for the purpose of the waste reduction and prevention program.	The development and dissemination of promotion and educational material for the proper use of medications is covered Health Canada FDA and NHP to addresses Canadians' concerns about availability and safety.
8. The payment of salaries and other costs of government for the administration and enforcement of this regulation and of the Act as it relates to household hazardous material or prescribed material;	HPSA will provide payment to GMES for the following documented services: Enforcement services as requested; Interpretation of Regulations and guidelines with respect to HPSA program; Administration and compliance with the regulation and the Act as it relates to pharmaceuticals and NHP; Program plan renewal and amendments in accordance with the <i>Wrap Act</i> .
9. Ongoing consultations about the stewardship program with persons who the operator considers the stewardship program may affect, including members of the public, in accordance with any guidelines respecting consultation that the minister may establish.	Commitment to continuous improvement in program performance and targets through ongoing consultation with other health professionals and key stakeholders working with the pharmaceutical and natural health material category.

## 6. Program Design

The MMRP provides all Manitoba residents with reasonable access to collection locations on a province-wide basis. HPSA is responsible for strategic planning, overseeing the program and financial operations including day-to-day operations of the program. This includes:

### 6.1 Collection System:

The collection sites for the MMRP are community pharmacies. Registered pharmacy locations are easily identified through a web-based search engine on the HPSA website. Pharmacies are a logical and safe system for the public to return unused or expired medications. Many are open extended hours, offering a convenient place for consumer disposal year-round.

Collection locations must also meet the following requirements:

- Collection locations must provide the service to the public at no charge.
- The collection location must provide to the public the ability to drop off products during regular business hours.
- Collection locations must display, and have, awareness, promotion and educational materials for the public.
- A licensed pharmacist or pharmacy technician must be present when a consumer drops off products.
- Collection locations must have a valid provincial registration number.
- There must be an agreement with HPSA that addresses collection and storage of unused and expired products.
- If the location is offering safe disposal of unused and expired medications under the MMRP and it is not a retail pharmacy, then the location has to be approved by HPSA.

Since the voluntary participation of a pharmacist is central to the success of the program, HPSA works closely with their representatives to ensure full participation and awareness of the MMRP. Pharmacy managers interested in offering the program must complete a registration form. Specific information is provided to ensure that pharmacy managers and staff are knowledgeable on the program objective and the way the program operates. All participating collection locations receive a kit containing instructions on the program, a service request form, and sample of education material developed for this program along with a minimum of two collection containers. Once the registration form is completed and faxed to the HPSA office, the pharmacist is contacted by phone to discuss the following points:

- ✓ The program is for returns from the public and not from hospitals, institutions, doctor's offices or their own commercial pharmacy operations.
- ✓ All employees working at the site must be knowledgeable about the program offered to the public.

- ✓ All pills should be deposited into the collection container and the original package should be recycled except for liquid medications, gels, powder, etc ... containers are to be deposited directly into the container.
- ✓ Recycle the outer container/extra packaging where facilities exist and are available in their region.
- ✓ There is no limitation on the quantity of medications that a consumer can drop off to a collection location.

Once two (2) collection containers are full, the pharmacist must complete the service request form and contact the HPSA approved service provider to schedule service. Replacement containers will be delivered and the full containers will be picked up either on a service schedule or by request.

If the location is offering collection of medications under the MMRP and it is not a retail pharmacy then the location has to be approved by the HPSA and meet collection location standards before collection of unused and expired medications, including controlled drugs, can begin.

## 6.2 Performance Measures:

Medications are intended to be consumed entirely to treat a specific condition or symptom. Ideally, none should be left over. Because of the practice of keeping medications for future use, there is typically a considerable lag time between its purchase and its eventual disposal.

- A year to year comparison analysis will be completed to monitor the overall progress.
- The plan will provide for an audit procedure to ensure proper tracking mechanisms, such as certificates of destruction, are in place for management of medications from point of collection to final destruction.
- The quantity of medications available for collection is difficult to estimate since medications are taken for specific conditions or symptoms and should be fully consumed unless otherwise indicated by a health professional. Prescription drugs are prescribed by a physician and in most cases given in a relatively small quantity. Patients are directed by their physician and health professional to use the medication until finished. In humans, data has shown up to 90% of the active ingredient in a product is excreted into our sewage systems.
- Prescription pharmaceutical data on sales is available by dosage. Collections under the medication return program are measured by weight (kgs) therefore there is no ability to correlate these two metrics which makes collection targets by weight inaccurate and unrealistic.

## 6.2.1 Number of Collection Points

Target until 2021:	<ul style="list-style-type: none"> <li>• Increase the participation rate of provincially accredited retail pharmacies in the MMRP from 80% to 85% by 2021.</li> </ul>
Performance measure:	<ul style="list-style-type: none"> <li>• Report percentage of participating pharmacies yearly.</li> </ul>
Strategies:  Year 1	<ul style="list-style-type: none"> <li>• Promotion and information for the public available for distribution to pharmacies upon request.</li> <li>• Developed material to promote the program in pharmacies, events and National Prescription Drug Drop-off Day, Pharmacy Awareness Month, Earth Day, Summer Ambassador Tour (MARRC)</li> <li>• Advertise the Manitoba Medications Return Program through websites, flyers and events.</li> <li>• Contact pharmacies that are not participating in program.</li> <li>• Educate and promote the program to pharmacy staff with HPSA bi-annual newsletter.</li> <li>• Monitor and contact pharmacies with a significant change in collection patterns.</li> </ul>
Year 2	<ul style="list-style-type: none"> <li>• Contact Municipalities with promotional material and key messages for their websites.</li> <li>• Contact on a quarterly basis existing pharmacies with ownership and/or manager changes.</li> <li>• Promote program through pharmacies, ambassador tour, Recycle Manitoba and Pharmacists Awareness Month.</li> <li>• Monitor and contact pharmacies with a significant change in collection patterns.</li> <li>• Continue to advertise the Manitoba Medications Return Program through websites, flyers and events</li> </ul>
Year 3-5	<ul style="list-style-type: none"> <li>• Contact Municipalities with promotional material and key messages for their websites.</li> <li>• Educate and promote the program to pharmacy staff with bi-annual newsletter.</li> <li>• Advertise the Manitoba Medications Return Program through websites, flyers and events.</li> </ul>

### 6.3 Consumer Awareness

The Regulation requires that the plan makes adequate provision for informing consumers of the program, the location of collection facilities, as well as the environmental and benefits associated with participating in the program. The strategy will be modified over time in response to the effectiveness of the program.

#### 6.3.1 Key Messages:

It is important that consumers are aware of the importance of returning unused or expired medications, where to return them and appropriate safety measures at home to prevent drug abuse and reduce the potential for diversion and misuse.

- Drug abuse among kids is a major area of concern
- Parents are the first line of defense in a drug prevention strategy
- 450,000 Canadian teens misuse prescription drugs and 70% of those kids say they stole them from home
- One in 6 teenagers admit to having taken a legal prescription drug in the past year to get high.
- Canada along with the U.S. are the biggest consumers of prescription drugs (painkillers in particular)

#### 6.3.2 Communication Methods:

The Program will use a number of methods to create consumer awareness. These include:

- **Website:** The program website will have information on what items can be returned and how to return them. A map based collection location finder is available. It also includes a print-ready brochure and a system for reordering consumer information materials produced for the program.
- **Point of Return:** Any participating collection depots will be offered program signage to display and counter cards to distribute to consumers.
- **Earned media and advertising:** The Program targets the use of earned media (press releases etc.) and paid advertising.
- **Direct advertising and Communications:** The program will directly target commercial initiatives through dedicated mailings and partnerships with relevant associations such as Partnership for Drug Free Canada and Canadian Centre for Substance Abuse and other groups.

### 6.3.3 Partnerships:

The program works towards partnering with organizations interested in collaborating to promote health and safety. Collaboration strategies have been developed through discussions with potential partners and HPSA members. Some avenues currently used by HPSA are:

- **Retailers**– Point of sale materials including shelf-talkers, counter cards, consumer brochures and/or program posters, provided at no cost to retailers.
- **Other Stewardship Programs** – Opportunities to combine communication efforts with existing stewardship programs such as MARR ambassador tour used since 2013.
- **Municipal and District Partnerships** – The program will seek opportunities to partner with local governments, including advertising in municipal calendars; links from local government websites to Program website and inclusion of program information in recycling/how to disposed of specific web pages; inclusion of program information with local government householder communications.
- **Others** –Brand owners (161) and other agencies (++) with an interest in health and safety have links to our website ([www.healthsteward.ca](http://www.healthsteward.ca)) to educate the public on proper disposal of medications.

### 6.3.4 Consumer Awareness Targets

Target until 2021:	<ul style="list-style-type: none"> <li>• 10 % increase in public awareness compared to 2016 results:</li> <li>• In the fall of 2016, HPSA will conduct a survey to set standards.</li> </ul>
Performance measures:	<ul style="list-style-type: none"> <li>• Measure changes in awareness.</li> </ul>
Strategies:  Year 1	<ul style="list-style-type: none"> <li>• Work with Manitoba Stewards to increase exposure through communications and other events.</li> <li>• Promote program through advertising and special events and provincial/territorial or national initiatives.</li> </ul>
Year 2 - 3	<ul style="list-style-type: none"> <li>• Secure publicity in annual recycling calendars and continue to support special initiatives.</li> </ul>
Year 4	<ul style="list-style-type: none"> <li>• Measure awareness of program with public survey.</li> </ul>
Year 5	<ul style="list-style-type: none"> <li>• The consumer awareness strategy will be modified over time based on the results of the methods employed and ongoing surveys in year 4.</li> </ul>

## **7. Dispute Resolution Procedure**

The Program will contract with suppliers and service providers to the program by the use of commercial agreements.

Any person or organization believing that the responsibilities of parties participating in the MMRP do not meet the program plan should immediately provide a detailed description of their concerns to HPSA:

By e-mail to [admin@healthsteward.ca](mailto:admin@healthsteward.ca)

By fax to 613-722-1626

By phone to 613-723-7282

Within 15 business days HPSA will seek to resolve the dispute through a co-operative approach and voluntary resolution. In the absence of a successful resolution, HPSA will convene a three party adjudication panel within the following 30 business days. One individual will be chosen by HPSA, one individual chosen by the pharmacy and one individual chosen by the concerned party (concerned party can't be appointed). The panel will consider the dispute and offer a decision on all parties involved within 5 business days of panel adjournment. Should the decision not be accepted, commercial litigation may be pursued by the concerned party.

## **8. Annual Report**

The reporting requirements that HPSA will provide on behalf of its members are clearly defined in the *Wrap Act* Section 16 (1). HPSA will submit an annual report on the MMRP on or before April 30<sup>th</sup> of each year to the GMES.

## **9. Pollution Prevention and Best Management**

Over the last 5 years, HPSA members have undertaken environmental initiatives that have improved the environmental impact of health products. As a performance measure, individual stewards have also made some changes to product monographs which reflect the program's ability to influence change in a positive manner. Product monographs (patient medication information sheets) are starting to indicate safe disposal options (see example in Appendix G). In addition, all MMRP containers are reusable 23 L containers.

HPSA has also partnered with some chains (e.g.: Shoppers Drug Mart/Rexall) to distribute paper bags to help with medicine cabinet clean-up and reduce the impact of pharmaceuticals entering the environment.

## 9.1 Safety, Social and Environmental Impact

The MMRP is designed to help mitigate the following safety, societal and environmental risks associated with unused medications in the home.

### 9.1.1 Safety Risk

One in six teenagers have admitted to taking prescription drugs to get high and 70% of them say they stole them from home (Source: PDFC). The MMRP promotes consumer awareness and education about the dangers of unused/expired medications in the home and that the proper storage and handling of these unused/expired medications is essential to avoid accidental ingestion by household members and pets. A key component of that message is promoting the use of MMRP registered community pharmacy collection locations as the proper venue for disposing of these materials.

### 9.1.2 Societal Risk - Abuse and Diversion

It is important for prescription drugs to be disposed of properly through the MMRP and not left in the home where they can be easily abused or diverted. Opioids, central nervous system depressants and stimulants are the most commonly misused classes of prescription drugs (Source: National Institute on Drug Abuse, <http://www.drugabuse.gov/publications/drugfacts/prescription-over-counter-medications>) and are present in the post-consumer pharmaceutical waste stream. The 2014 the Partnership for Drug-Free Canada reported that 70% of people aged 12 or older used pain relievers non-medicinally in the past year, many of which were likely obtained from a home medicine cabinet. Unused quantities of medications in the home creates the opportunity for abuse through unauthorized consumption or the opportunity for diversion into the black market. Educating consumers on abuse and diversion, promoting community pharmacy collection locations and contracting a safe and secure service provider to collect and dispose of medications from pharmacies are all critical components of the MMRP that HPSA has put in place to create the necessary program accessibility to help prevent abuse and diversion.

### 9.1.3 Environment

A 2013 study by Statistics Canada showed that nearly 40% of Canadian households disposed of their unused or expired medications by dumping them down the drain, flushing them down the toilet or putting them in their curbside garbage (Source: Statistics Canada Disposal of Household Special Wastes. <http://www.drugabuse.gov/publications/drugfacts/prescription-over-counter-medications>). Sewage treatment plants are not designed to effectively treat these kinds of substances and remove them from the waste water stream and as a result they pass through the process and are released into the environment. There is no reuse or recycling application for post-consumer unused/expired medications. Medications must be completely destroyed through

incineration. The tonnages of medications collected by the MMRP has kept this material out of our landfills and wastewater treatment systems which has been beneficial to the environment.

Due to the nature of an EPR program for pharmaceuticals and Natural Health Products, an environmental performance measurement is problematic. The amount of eligible pharmaceutical, over-the-counter and natural health products introduced into Manitoba can be calculated based on prescriptions or units sold but, according to the USEPA, "...quantities of production or consumptions do not correspond with the quantities of pharmaceuticals and personal care products (PPCPs) introduced into the environment. (Source: USEPA web site <http://epa.gov/ppcp/faq.html#quantities>). The USEPA also notes that "To date, scientists have found no evidence of adverse human health effects from PPCPs in the environment" (Source: USEPA web site <http://epa.gov/ppcp/faq.html#quantities>). Additionally, aquatic species that bio accumulate pharmaceutical, personal care or veterinary products and have been subjected to toxicity tests show that lethal effects are unlikely in the environment but that long term effects are possible (Source: Pharmaceuticals and Personal Care Products in the Canadian Environment: Research and Policy Directions. Dr. Francois Gagne, p.10-11.).

Medications cannot be reused or recycled, unlike other designated products covered under this regulation.

Processing Requirements:

- Post-consumer pharmaceutical waste collected in the MMRP must be treated by high temperature incineration.
- To ensure safety, mitigate the risk of diversion and maximize the efficiency of the thermal treatment process, pharmaceutical waste will be contained in leak-resistant and diversion-resistant secondary packaging (i.e.: plastic pharmaceutical waste pails and/or liners).
- Waste-to-Energy is the preferred treatment method for post-consumer pharmaceuticals.
- Processors must be licensed by the appropriate provincial government authority and have a provincial registration number where required.
- A certificate of destruction, as well as 3<sup>rd</sup> party verification will be obtained by HPSA.

## 10. Conclusion

Since 1997, HPSA has administered and operated provincially regulated *Medications Return Programs* that allows consumers to return (at no charge) their unused or expired medications to participating retail pharmacies. As a result, in 2015, HPSA diverted approximately 452,000 kg of unused or expired medications from landfills or waterways of which approximately 19,000kg collected in Manitoba.

## 11. Appendices

### 11.1 Appendix A: HPSA Membership in 2015

AA Pharma Inc.  
Abbott Diabetes Care  
Abbott EPD  
AbbVie Corporation  
Actavis Pharmaceuticals Company  
Actelion Pharmaceuticals Canada Inc.  
Advanced Orthomolecular Research (AOR)  
Advanced Sales and Marketing Canada Inc  
Alcon Canada Inc.  
Allergan Inc.  
Amgen Canada Inc.  
Amway Canada  
Apotex Inc.  
Aptalis Pharma Canada Inc.  
Aspri Pharma Canada Inc  
Astellas Pharma Canada Inc.  
AstraZeneca Canada Inc.  
Auro Pharma Inc  
Auto Control Medical  
Aventix Animal Health  
Baxter Canada  
Bayer Inc.  
BD Medical  
Bimeda-MTC Animal Health Inc.  
Bioforce Canada Inc.  
Biogen Idec Canada Inc  
Blistex  
Body Plus Nutritional Products Inc.  
Boehringer Ingelheim Canada Ltd.  
Boiron Canada Inc.  
Bristol-Myers Squibb Pharmaceutical Group  
Canada Safeway Ltd.  
Canadian Custom Packaging Company  
Celex Laboratories Inc.  
Champion Alstoe Animal Health Inc.  
Church & Dwight Canada  
Cipher Pharmaceuticals  
Combe Incorporated  
Costco Wholesale Canada Ltd.  
Covidien  
Cubist Pharmaceuticals Canada Inc  
Cytex Pharmaceutical Inc.  
D Drops Company  
Diversified Nutrition Lifestyle Canada Ltd.  
Domrex Pharma Inc.  
Duchesnay  
Elanco  
Eli Lilly Canada Inc.  
EMD-Serono Canada Inc.  
Enzymatic Therapy  
Euro-Pharm International Canada Inc.  
Ferring Inc.  
Fresenius Kabi Canada Ltd.  
Galderma Canada  
General Nutrition Centres Canada  
Generic Medical Partners Inc.  
Genuine Health Inc  
Gilead Sciences Canada, Inc.  
GlaxoSmithKline Consumer Healthcare Inc.  
GlaxoSmithKline Inc.  
Groupe Jean Coutu (PJC) inc  
Health First Network Association Inc  
Herbal Magic Inc.  
Herbalife of Canada  
Hospira Healthcare Corporation  
HPI Health Products/Lakota  
Indivior  
Intervet Canada Corp (dba Merck Animal Health)  
Jamieson Laboratories  
Janssen Inc.  
Katz Group Canada Ltd.  
Laboratoires Atlas Inc.  
Leo Pharma Inc.  
Les Laboratoires Nicar Inc  
LifeScan Canada Ltd.  
Loblaw Companies Ltd  
London Drugs Limited  
Lundbeck Canada Inc.  
Mannatech Incorporated  
Marcan Pharmaceuticals Inc.  
McKesson Canada  
McNeil Consumer Healthcare a division of Johnson & Johnson  
Mead Johnson Nutrition (Canada) Co.  
Medexus Inc  
Medical Futures Inc

Medtronic  
 Merck Canada Inc.  
 Merial Canada Inc.  
 Methapharm Inc.  
 Mint Pharmaceuticals Inc  
 Mylan Pharmaceuticals ULC  
 Natural Factors Nutritional Products Ltd.  
 Nature's Sunshine Products of Canada Ltd.  
 Nature's Way Canada Ltd  
 Nestlé Canada Inc.  
 Norbrook Laboratories Inc.  
 Novartis Consumer Health Canada Inc.  
 Novartis Pharmaceutical Inc.  
 Novo Nordisk  
 Omega Alpha Pharmaceuticals  
 Organika Health Products Inc.  
 Otsuka Canada Pharmaceuticals Inc.  
 Overwaitea Food Group Ltd Partnership  
 Paladin Labs Inc.  
 Pascoe Canada  
 Pfizer Canada Inc  
 Pfizer Consumer Healthcare, Division  
 of Pfizer Canada Inc.  
 PharmaChoice  
 Pharmasave National (Drugs) Ltd.  
 Pharmascience Inc.  
 Platinum Naturals  
 Preferred Nutrition  
 Procter & Gamble Inc.  
 Purdue Pharma  
 Puresource Inc  
 Purity Life Health Products  
 Rafter 8 Products  
 Ranbaxy Pharmaceuticals Canada Inc.  
 RBP Canada Ltd.  
 Renew Life Canada Inc.  
 Roche Canada Limited  
 Roche Diagnostics  
 Sandoz Canada  
 Sanis Health Inc.  
 Sanofi Consumers Health  
 Sanofi-Aventis Canada Inc.  
 Schering Plough Canada Inc.  
 Servier Canada Inc.  
 Shaklee Canada Inc.  
 Shire Canada Inc.  
 Shoppers Drug Mart Central  
 Sigma Tau Pharmaceuticals, Inc.  
 SISU Inc.  
 Sobi Inc  
 Stericycle Inc.  
 Sterimax Inc  
 Sunovion Pharmaceuticals Inc.  
 Takeda Canada Inc.  
 Tanta Pharmaceuticals Inc.  
 Taro Pharmaceuticals Inc.  
 Teva Canada / Novopharm  
 TOP Nutritionals (Natural Calm Canada)  
 Tremblay Harrison Inc  
 Tribute Pharmaceuticals Canada Inc  
 Trillium Health Care Products  
 UCB Canada Inc.  
 UniPHARM Wholesale Drugs  
 Univet Pharmaceuticals Ltd.  
 USANA Health Sciences  
 Valeant Canada LP  
 Valeo Pharma Inc.  
 Vertex Pharmaceuticals Incorporated  
 Vetoquinol Canada Incorporate  
 Virbac Animal Health Canada  
 Vita Health Products Inc.  
 Walmart Canada Corp.  
 Webber Naturals Ltd.  
 WellSpring Pharmaceutical Canada Corp.  
 Westcoast Naturals  
 WN Pharmaceuticals Ltd.  
 Zoetis Canada

## 11.2 Appendix B: Registered Pharmacies in 2015

Aberdeen Pharmacy	Emad pharmacy	Loblaw Pharmacy #1516
Apothecary of Morden Inc	Emerson Pharmacy	Loblaw Pharmacy #9080
Arborg Pharmacy	Empire Drugs	London Drugs #66
Archibald pharmacy	Eriksdale pharmacy	Lorette Pharmacy Dufresne
Ashern Pharmacy	Express Scripts Canada Pharmacy	Lundar Pharmacy Ltd
Assiniboine Pharmacy	Falk Pharmacy	Macgregor Pharmacy
Autumnwood Medical Pharmacy	Flatland Drugs	Machray Pharmacy
Baldur Pharmacy	Fort Alexander Pharmacy	Main & Luxton Co-op Pharmacy
BenefitsRx	Fort Rouge Pharmacy	Main St. Pharmacy
BioScript Pharmacy Ltd.	Friend's Pharmacy	Mandalay Pharmacy
Birtle Pharmacy	Gilbert Plains Pharmacy Ltd	Maples Pharmacy
Boyd Medical Pharmacy	Gladstone Pharmacy	Marion Pharmacy
Brandon Clinic Pharmasave	Glenboro Pharmacy	Martin's Pharmacy Ltd
Brandon South Sobey's Pharmacy	Good Shepherd Pharmacy	Meadowood Pharmacy
Brathwaite's Pharmacy	Grand Med Hth Science Pharm	Medi North Pharmacy & AccessCa
Broadway Pharmacy	Grand Medicine Health Services	Medical Centre Pharmacy
Brothers Pharmacy Ltd	Green Crest Pharmacy	Medi-Care Pharmacy
Brown's Drug Store	Grunthal Pharmacy	Medicine Shoppe #331
Canadadrugs.com LP	Guardian Pharmacy	Medicine Shoppe Pharmacy #278
CarePlus Transcona Pharmacy	Harbourview Pharmacy	Medicine Shoppe Pharmacy #290
Carman Pharmacy Ltd	Hartford Drugs	Medicine Shoppe Pharmacy #305
CD Whyte Ridge Pharmacy	Hazelwood Drugs	Medicine Shoppe Pharmacy #313
Cin Den Pharmacy	Health Central Pharmacy	Medicine Shoppe Pharmacy #329
CinDen Pharmacy #2	Higgins Pharmacy	Medocare Pharmacy
Clayman Pharmacy	Hill's Clinic Pharmacy	Medsafe Pharmacy
Concordia Community Pharmacy	Hill's Drug Store	Melita Super Thrifty Pharmacy
Co-op Pharmacy Grant Park	Home Health Care Pharmacy	Meyers Drug Store
Corydon Village Pharmacy	Ingham Pharmacy	Millennium Pharmacy
Costco Pharmacy #153	Interlake Pharmacy	Miller's Pharmacy
Costco Pharmacy #549	Invivo Health Pharmacy	Mount Carmel Clinic Pharmacy
Costco Pharmacy #57	Isabel Pharmacy	Mountain Park Pharmacy Ltd.
Crestview Pharmacy	Island Lakes Pharmacy	Munroe Pharmacy
Dakota Pharmacy	Killarney Pharmacy Ltd.	My Care Pharmacy
Danial Pharmacy	La Salle Pharmacy Ltd.	Nations First Pharmacy
Dauphin Clinic Pharmacy	Leclerc Pharmacy	Niverville Pharmacy Ltd.
Drugstore Pharmacy #1508	Leila Pharmacy	North Mart Pharmacy
Drugstore Pharmacy #9002	Loblaw Pharmacy #1503	North Mart Pharmacy #176
Drugstore Pharmacy #9079	Loblaw Pharmacy #1505	Norway House Pharmacy
Drugstore Pharmacy #9081	Loblaw Pharmacy #1506	Notre Dame Hospital Pharmacy
Drugstore Pharmacy #9082	Loblaw Pharmacy #1509	Oakbank Pharmasave
Dueck Drug Store	Loblaw Pharmacy #1510	Oakfield Pharmacy
East St. Paul Pharmacy	Loblaw Pharmacy #1511	Osborne Village Pharmacy Ltd.
Ebbeling Pharmacy	Loblaw Pharmacy #1512	Patient Advocate Pharmacy
Elie Pharmacy	Loblaw Pharmacy #1514	Pharma Plus #4812
Ellis Pharmacy & Thrifty Meds	Loblaw Pharmacy #1515	Pharma Plus #4814

Pharma Plus #4815	Safeway Food And Drug Pharmacy	Shoppers Drug Mart #0551
Pharma Plus #4823	#588	Shoppers Drug Mart #0552
Pharma Plus #4846	Safeway Food And Drug Pharmacy	Shoppers Drug Mart #0553
Pharma Plus #4854	#590	Shoppers Drug Mart #0554
Pharma Plus #4895	Safeway Food And Drug Pharmacy	Shoppers Drug Mart #0555
Pharma Plus #4903	#591	Shoppers Drug Mart #0556
Pharma Plus #4950	Safeway Food And Drug Pharmacy	Shoppers Drug Mart #0557
Pharma Plus #4960	#603	Shoppers Drug Mart #0559
Pharmacie Seine Ltee	Safeway Food And Drug Pharmacy	Shoppers Drug Mart #0561
Pharmamir Pharmacy	#604	Shoppers Drug Mart #2404
Pharmasave #0451	Safeway Food And Drug Pharmacy	Shoppers Drug Mart #2406
Pharmasave #0455	#623	Shoppers Drug Mart #2414
Pharmasave #0469	Safeway Food And Drug Pharmacy	Shoppers Drug Mart #2419
Pharmasave #0471	#701	Shoppers Drug Mart #2421
Pharmasave Health Centre #0470	Safeway Food And Drug Pharmacy	Shoppers Drug Mart #2422
Pilot Mound Pharmacy	#717	Shoppers Drug Mart #2424
Pinawa Pharmacy	Safeway Food And Drug Pharmacy	Shoppers Drug Mart #2428
Pine Pharmacy	#718	Shoppers Drug Mart #2444
Plessis Pharmacy	Safeway Food And Drug Pharmacy	Shoppers Drug Mart #2460
Point Douglas Rexall #7403	#725	Shoppers Drug Mart #2501
Police Depot	Safeway Food And Drug Pharmacy	Shoppers Drug Mart #2505
Positive Health Pharmacy	#726	Shoppers Drug Mart #2511
Prana Pharmacy	Safeway Food And Drug Pharmacy	Shoppers Drug Mart #2514
Providen Pharmacy Logistics &	#727	Shoppers Drug Mart #2516
Rasha Pharmacy	Safeway Food And Drug Pharmacy	Shoppers Drug Mart #2517
Reavie's Pharmacy	#729	Shoppers Drug Mart #532
Red River CO-OP Southdale Pharmacy	Safeway Food And Drug Pharmacy	Shoppers Drug Mart #549
Regent Park Pharmacy	#731	Sobey's Grant Park Pharmacy #5150
Reston Drug Ltd	Safeway Pharmacy #0359	Sobey's Kenaston Pharmacy #5166
Rexall #4813	Safeway Pharmacy #0586	Sobey's Northdale Pharmacy #5167
Rexall #4816	Safeway Pharmacy #0714	Sobey's Pharmacy #5155
Rexall #4887	Safeway Pharmacy #0720	
Rexall #7401	Safeway Pharmacy #0728	
Rexall #7402	Scale Drug Store	
Rexall #7404	Serenity Pharmacy	
Rexall #7405	Shoal Lake Pharmacy	
Rexall #7406	Shoppers Drug Mart #0530	
Rexall Pharma Plus #4817	Shoppers Drug Mart #0533	
Rexall Pharma Plus #4994	Shoppers Drug Mart #0534	
River East Pharmacy	Shoppers Drug Mart #0535	
Riverton Pharmacy	Shoppers Drug Mart #0537	
Riverview Health Centre	Shoppers Drug Mart #0538	
Rockwood Pharmacy	Shoppers Drug Mart #0539	
Ronald Pharmacy	Shoppers Drug Mart #0540	
Rosburn Pharmacy	Shoppers Drug Mart #0542	
Safety Drugs	Shoppers Drug Mart #0544	
Safeway Food And Drug Pharmacy	Shoppers Drug Mart #0545	
#334	Shoppers Drug Mart #0546	
	Shoppers Drug Mart #0547	

## 11.3 Appendix C: Notice of Consultation

# Notice of Consultation: Revised HPSA Stewardship Plan for Medication Returns in Manitoba

The Health Products Stewardship Association (HPSA), on behalf of Canada's health products industries, manages the national Medications Return Programs (MRP) within the province of Manitoba. The HPSA Stewardship Plan in Manitoba was approved by Manitoba Conservation and Water Stewardship in 2011 and recognized the MRP as the official industry stewardship program for pharmaceuticals and natural health products. HPSA is inviting stakeholder comments on the revised industry stewardship plan that is intended to highlight how the program will continue to fulfill the requirements as outlined in regards to the *Household Hazardous Material and Prescribed Material Stewardship Regulation*. The 2017-2021 program plan is available at: <http://www.healthsteward.ca/sites/default/files/MBProgramPlan20162021.pdf>. You may direct your questions and comments to [programswest@healthsteward.ca](mailto:programswest@healthsteward.ca) or contact Bill Burns at 1-844-535-8899 by November 27<sup>th</sup>, 2015.

We look forward to the opportunity of continuing our commitment to provide access for responsible disposal of health products to Manitobans.

### 11.3.1 Program Plan Consultation Distribution List

The MMRP Program Plan was sent to the Pharmacy Managers at all of our participating pharmacy collection locations (see Appendix B) as well as the Association of Manitoba Municipalities members, HPSA member companies (see Appendix A) and other key stakeholders interested and/or involved listed below.

- Environment Resource Counselling
- Manitoba Association for Resource Recovery
- Manitoba Association of Regional Recyclers
- Manitoba College of Pharmacists
- Neighborhood Pharmacy Association of Canada
- Pharmacists Manitoba Inc
- Pharmacists Manitoba Inc Board of Directors
- Pharmasave – Central Office
- Product Care Manitoba
- Rexall – Central Office
- Shoppers Drug Mart – Pharmacy Operations
- Stericycle
- Walmart – Pharmacy Operations

## 11.4 Appendix D: Consultation Presentation



### HEALTH PRODUCTS STEWARDSHIP ASSOCIATION

MANITOBA MEDICATIONS RETURN PROGRAM  
(MMRP)

## HPSA Overview

- National Industry Stewardship Organization representing companies that introduce health products (medications and sharps) into the marketplace as a result of EPR regulations
- Operates collection programs that focus on drugs, natural health products and sharps waste from the public
- Rely on an extensive network of community pharmacies to voluntarily collect materials
- Act as a compliance agent for producers of health products

## HPSA Stewardship Programs

- British Columbia Medications Return Program (BCMRP): 1996
  - Recycling Regulation 2004/16
- Manitoba Medications Return Program (MMRP): 2011
  - Household Hazardous Material and Prescribed Material Stewardship Regulation
- Ontario Medications Return Program (OMRP) and Ontario Sharps Collection Program (OSCP): 2012
  - EPA 298/12
- Island Medications Return Program (IMRP) and Island Sharps Collection Program (ISCP): June, 2015
  - PEI Environmental Protection Act Materials Stewardship and Recycling Regulations



## HPSA Standards

- Guiding Principles:
  - Safety
  - Diversion
  - Environment
  - Compliance
- Offer a “one-stop” for product stewards
  - Central administration
  - Harmonized product definitions
  - Single board of directors representing industries
    - Rx, OTC, NHP and sharps
  - Coordination of events and promotion
- Pharmacy collection locations

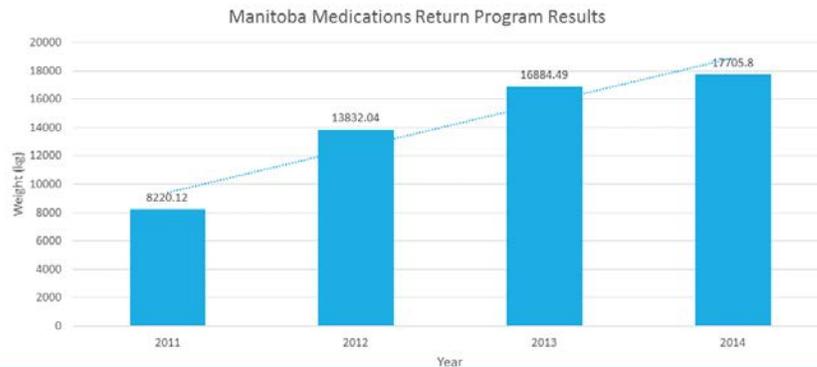


# Manitoba Medication Returns Program

- MMRP was launched 2011
- Allows the public to safely dispose of unused or expired medications
  - Free, no eco-fee
- Total number of collection sites: 317
  - Voluntary participation from 87% of Manitoba's community pharmacies
  - No fee to participate
  - Containers are behind pharmacy counters
- Helps prevent diversion by getting rid of unused prescription drugs

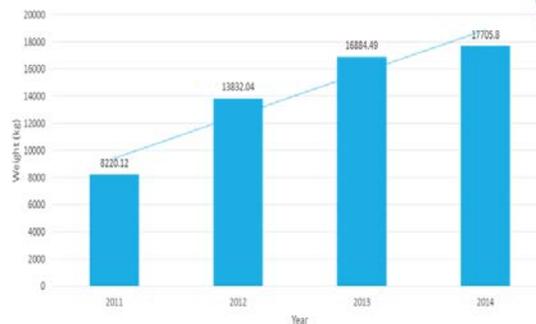


## Collection Results



## MMRP Promotion

•text



## 11.4.1 Public Consultation In Person – 2015 MARR Forum Attendance List

<b>First Name</b>	<b>Last Name</b>	<b>Organization</b>
Alan	Abraham	LGD of Pinawa
Sandra	Abuwalla	Call2Recycle
Mac	Balacano	MTS
Lisa	Baldwin	RM of Hanover
Glen	Basarowich	RM of St. Clements
Kathy	Bennett	Eastman Recycling Services
Ron	Benson	MARRC
Angela	Bidinosti	Aboriginal Affairs & Northern Development
Bob	Bodnaruk	RM of Springfield
James	Bolton	Portage & District Recycling Inc.
Sam	Brask	City of Winnipeg
Bill	Brenner	City of Dauphin
Don	Budinsky	Communities in Bloom
Bill	Burns	Health Products Stewardship Assn.
Peter	Campbell	RM of West St. Paul
Jennifer	Carlson	MARRC
Kathy	Cass	Miller Environmental
Lorne	Charney	Whitemouth-Reynolds Waste Management
Darcy	Culbertson	Miller Environmental
Greg	Currie	Louise Integrated Waste
Rosemary	Deans	MEIA
jaclyn	Diduck	CBCRA
Murray	Donald	Prairie View Municipality
Melissa	Dorota	CBCRA/Recycle Everywhere
Jerry	Drobot	RM of St. Clements
Gerry	Dube	Overton Environmental Enterprises
Brett	Eckstein	Tire Stewardship Manitoba
Pam	Elias	RM of West St. Paul
Greg	Elson	RM of Springfield
Heather	Erickson	RM of Springfield
Ken	Fargher	City of Winnipeg
Jim	Ferguson	Green Manitoba
Mike	Fernandes	StrategyMakers Consulting
Debbie	Fiebelkorm	RM of St. Clements
Heather	Francis	SWAMP Waste Authority
Ray	Frey	RM of St. Clements
Barry	Friesen	CleanFarms
Dan	Gagne	Town of Altona
Ron	Gerbrandt	Gateway Resources Inc.
Marj	Greenwood	The Pas & Area Recycling Centre
Scott	Haddow	City of Brandon
Sylvie	Hebert	Green Action Centre
Hank	Hildegbrand	SWAMP Waste Authority
Laura	Hnatiuk	MTS
Kristin	Houle	Emterra
Floyd	Houston	Town of Virden
Debbi	Hruda	RM of Springfield
Tracy	Hucul	Green Action Centre
Laurie	Hunt	RM of St. Andrews

## 11.5 Appendix E Consultation Comments, Questions and Answers

### **Brent Booker – Pharmacy Manager CO-OP Grant Park**

These comments should not be misconstrued as unsupportive, but it should be noted that a significant amount of time is needed by pharmacy staff to deal with the volume of product returned. It is not uncommon for people to come to the pharmacy with grocery bags of unused medications. The sorting and removal of product from original packaging diverts pharmacy assistant labor on average of 1-2 hours per week, and over the course of a year this should not be taken lightly. I may be incorrect, but I am not aware of any visible or backstage remuneration for this.

### **Jim Harlow – Empire Drugs**

It would be advantageous to have a sharps recovery program added. This would prevent a huge number of sharps from entering landfills

### **Marlene Hutchinson – Cycle Environment**

After reading the proposed plan for the Manitoba Medications Stewardship Plan (2017-2021) we agree with the program as managed for the past five years by HPSA.

### **Pharmacists of Manitoba - Board of Directors**

1. Number of inhalers is capped at 10 canisters per pail. This volume is far too low as many are returned on a daily basis. Please re-evaluate and consider removing any minimum number to be returned per pail.
  - a. This maximum is for full inhalers; empties are not subject to this minimum. We will inform our pharmacies network as this is obviously needs interpretation.
2. Advertising to the public requires strong messaging about what can and cannot be returned to the pharmacy (5.3).
  - b. We are developing a new piece of promotional material for the public and will make it available next year in Manitoba (see appendix E).
3. Information regarding sharps and the appropriate containers these can returned in to the pharmacy i.e. random jars, peanut butter jars, and coke cans are not appropriate.
  - c. Please note that HPSA is not the administrator for the sharps collection program in Manitoba we operate a sharps program in Ontario and PEI with compelling medical sharps regulations.
4. Two collection containers to be full before pick up is a hardship for small independent pharmacies (5.1). We have a large proportion of independent pharmacies in Manitoba.
  - d. Any pharmacies that are challenged with storage are able to be serviced more frequently and return only one item. This can be requested directly through our program coordinator at [programwest@healthsteward.ca](mailto:programwest@healthsteward.ca).
5. Consumers should be provided with a complaint line if a pharmacy refuses to take returns.
  - e. If there is an issue the public can reach us at 1-844-535-8889, this information will appear in the new rack card (see appendix E).

11.6 Appendix F: Rack Card (Front and Back)

# TAKE IT BACK!

Responsibly return unused and expired medication.



You Can Return:

- All prescription medications
- Over-the-counter drugs
- Natural health products
- Inhalers

It is important to check your home regularly for medications that are expired or no longer needed. Disposing of them properly can prevent misuse, accidental ingestion, and protect the environment in the process.

Visit [www.healthsteward.ca](http://www.healthsteward.ca) to find your nearest participating pharmacy.



## HAVE YOUR OLD MEDICATIONS OVERSTAYED THEIR WELCOME?

1



Safely store medications in your home.

2



Check for unused and expired medications.

3



Empty all pills into a bag or container, but keep liquids, creams and inhalers in their original packaging. Remove any personal identification. Recycle all other packaging.

4



Take it back to a participating pharmacy.



**HEALTH PRODUCTS**  
STEWARDSHIP ASSOCIATION

HPSA IS FUNDED BY THE HEALTH PRODUCTS INDUSTRY

For more information, visit  
[healthsteward.ca](http://healthsteward.ca) or e-mail [info@healthsteward.ca](mailto:info@healthsteward.ca)  
Call Our Toll-Free Number: 1-844-535-8889

## 11.7 Appendix G: Product Monograph

### Patient Medical Information

Zellers Pharmacy #472, Hamati Pharma Inc., Ottawa ON, K1H 7X6  
Phone: (613) 526-4466 Fax: (613) 526-0853

Printed On: 01/12/2011 16:33:02

**Brand Name: NOVAMOXIN 500 MG CAPSULE DIN:00406716**

**Generic Name: Amoxicillin Trihydrate**

**AMOXICILLIN - ORAL**

(a-MOX-i-SIL-in)

#### USES

Amoxicillin is used to treat a wide variety of bacterial infections. This medication is a penicillin-type antibiotic. It works by stopping the growth of bacteria.

This antibiotic treats only bacterial infections. It will not work for viral infections (such as common cold, flu). Unnecessary use or misuse of any antibiotic can lead to its decreased effectiveness.

Amoxicillin is also used with other medications to treat stomach/intestinal ulcers caused by the bacteria *H. pylori* and to prevent the ulcers from returning.

#### OTHER USES

This section contains uses of this drug that are not listed in the approved US professional labeling for the drug but that may be prescribed by your health care professional. Use this drug for a condition that is listed in this section only if it has been so prescribed by your health care professional.

This drug may also be used by people with certain heart problems (such as heart valve disease) before medical/dental procedures (such as tooth/gum procedures) to prevent heart infection.

#### HOW TO USE

Take this medication by mouth with or without food as directed by your doctor, usually every 8 or 12 hours. The dosage is based on your medical condition and response to treatment.

Drink plenty of fluids while using this medication unless your doctor tells you otherwise.

Antibiotics work best when the amount of medicine in your body is kept at a constant level. Therefore, take this drug at evenly spaced intervals. To help you remember, take it at the same times each day.

Continue to take this medication until the full prescribed amount is finished, even if symptoms disappear after a few days. Stopping the medication too early may allow bacteria to continue to grow, which may result in a return of the infection.

Tell your doctor if your condition persists or worsens.

#### SIDE EFFECTS

Nausea, vomiting, or diarrhea may occur. If any of these effects persist or worsen, tell your doctor or pharmacist promptly.

Remember that your doctor has prescribed this medication because he or she has judged that the benefit to you is greater than the risk of side effects. Many people using this medication do not have serious side effects.

Use of this medication for prolonged or repeated periods may result in oral thrush or a new vaginal yeast infection (oral or vaginal fungal infection). Contact your doctor if you notice white patches in your mouth, a change in vaginal discharge or other new symptoms.

Tell your doctor immediately if any of these rare but serious side effects occur: dark urine, persistent nausea or vomiting, stomach/abdominal pain, yellowing eyes or skin, easy bruising or bleeding, persistent sore throat or fever.

This medication may rarely cause a severe intestinal condition (Clostridium difficile-associated diarrhea) due to a type of resistant bacteria.

This condition may occur during treatment or weeks to months after treatment has stopped. Do not use anti-diarrhea products or narcotic pain medications if you have the following symptoms because these products may make them worse. Tell your doctor immediately if you develop: persistent diarrhea, abdominal or stomach pain/cramping, blood/mucus in your stool.

A very serious allergic reaction to this drug is rare. However, get medical help right away if you notice any symptoms of a serious allergic reaction, including: rash, itching/swelling (especially of the face/tongue/throat), severe dizziness, trouble breathing.

Amoxicillin can commonly cause a mild rash that is usually not serious. However, you may not be able to tell it apart from a rare rash that could be a sign of a severe allergic reaction. Therefore, get medical help right away if you develop any rash.

This is not a complete list of possible side effects. If you notice other effects not listed above, contact your doctor or pharmacist.

In the US -

Call your doctor for medical advice about side effects. You may report side effects to FDA at 1-800-FDA-1088.

In Canada - Call your doctor for medical advice about side effects. You may report side effects to Health Canada at 1-866-234-2345.

- Continued -

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Page 1

Continued Monograph For 00406716 (Novamoxin)

#### PRECAUTIONS

Before taking amoxicillin, tell your doctor or pharmacist if you are allergic to it; or to penicillin or cephalosporin antibiotics; or if you have any other allergies. This product may contain inactive ingredients, which can cause allergic reactions or other problems. Talk to your pharmacist for more details.

Before using this medication, tell your doctor or pharmacist your medical history, especially of: kidney disease, a certain type of viral infection (infectious mononucleosis).

Before having surgery, tell your doctor or dentist about all the products you use (including prescription drugs, nonprescription drugs, and herbal products).

During pregnancy, this medication should be used only when clearly needed. Discuss the risks and benefits with your doctor.

Amoxicillin passes into breast milk. Consult your doctor before breast-feeding.

#### DRUG INTERACTIONS

The effects of some drugs can change if you take other drugs or herbal products at the same time. This can increase your risk for serious side effects or may cause your medications not to work correctly. These drug interactions are possible, but do not always occur. Your doctor or pharmacist can often prevent or manage interactions by changing how you use your medications or by close monitoring.

To help your doctor and pharmacist give you the best care, be sure to tell your doctor and pharmacist about all the products you use (including prescription drugs, nonprescription drugs, and herbal products) before starting treatment with this product. While using this product, do not start, stop, or change the dosage of any other medicines you are using without your doctor's approval.

Some products that may interact with this drug include: live bacterial vaccines, methotrexate.

Before taking amoxicillin, tell your doctor or pharmacist if you are also taking probenecid. Probenecid slows down the removal of amoxicillin from your body, causing higher levels of this antibiotic in your bloodstream. For certain types of difficult-to-treat infections, your doctor may prescribe these 2 medications together in order to achieve this effect. Consult your doctor or pharmacist for more details.

Although most antibiotics probably do not affect hormonal birth control such as pills, patch, or ring, some antibiotics may decrease their effectiveness. This could cause pregnancy. Examples include rifamycins such as rifampin or rifabutin. Be sure to ask your doctor or pharmacist if you should use additional reliable birth control methods while using this antibiotic.

Amoxicillin may cause false positive results with certain diabetic urine testing products (cupric sulfate-type). This drug may also affect the results of certain lab tests. Make sure laboratory personnel and your doctors know you use this drug.

This document does not contain all possible drug interactions. Keep a list of all the products you use. Share this list with your doctor and pharmacist to lessen your risk for serious medication problems.

#### OVERDOSE

If overdose is suspected, contact a poison control center or emergency room immediately. US residents can call the US National Poison Hotline at 1-800-222-1222. Canada residents can call a provincial poison control center. Symptoms of overdose may include: severe vomiting, persistent diarrhea, a severe decrease in the amount of urine, or seizures.

#### NOTES

Do not share this medication with others.

This medication has been prescribed for your current condition only. Do not use it later for another infection unless your doctor directs you to do so. A different medication may be necessary in that case.

With prolonged treatment, laboratory and/or medical tests (such as kidney and liver function, complete blood counts) may be performed periodically to monitor your progress or check for side effects. Consult your doctor for more details.

#### MISSED DOSE

If you miss a dose, use it as soon as you remember. If it is near the time of the next dose, skip the missed dose and resume your usual dosing schedule. Do not double the dose to catch up.

#### STORAGE

Store at room temperature according to the product labeling, away from light and moisture. Different brands of this medication have different storage needs. Check the product package for instructions on how to store your brand, or ask your pharmacist. Keep all medications away from children and pets.

Do not flush medications down the toilet or pour them into a drain unless instructed to do so. Properly discard this product when it is expired or no longer needed. Consult your pharmacist or local waste disposal company for more details about how to safely discard your product.

**IMPORTANT: HOW TO USE THIS INFORMATION: This is a summary and does NOT have all possible information about this product. This information does not assure that this product is safe, effective, or appropriate for you. This information is not individual medical advice and does not substitute for the advice of your health care professional. Always ask your health care professional for complete information about this product and your specific health needs.**