

47091-13

8/20/2010

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460

1/6

AUG 20 2010

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

Mr. Vijay Pendse  
Manager, QC  
Aurora Specialty Chemistries  
1520 Lake Lansing Road  
Lansing, MI 48912

Subject: Notification Application per PR Notice 2007-4  
Predator 1020  
EPA Registration No 47091-13  
Application Date: 7/12/10  
Receipt Date: 7/23/10

Dear Mr. Pendse:

This will acknowledge receipt of your notification, submitted under the provisions of PR Notice 2007-4.

**Proposed Notification:**

- Add language per PR Notice 2007-4.

**General Comments**

Based on a review of the material submitted, the following comment applies:

The notification is acceptable. The label has been added to your file.

Should you have any questions concerning this letter, please contact Chris Jiang at (703) 305-0545 or by e-mail at [jiang.chris@epa.gov](mailto:jiang.chris@epa.gov).

Sincerely,

*Joseph Campbell-McFarlane*  
Jacqueline Campbell-McFarlane  
Product Manager (34)

Regulatory Management Branch II

**CONCURRENCES**

Antimicrobials Division (7510P)

SYMBOL	SURNAME	DATE					



United States  
Environmental Protection Agency  
Washington, DC 20460

<input type="checkbox"/>	Registration
<input type="checkbox"/>	Amendment
<input checked="" type="checkbox"/>	Other

OPP Identifier Number

**Application for Pesticide - Section I**

1. Company/Product Number 47091-13	2. EPA Product Manager Adam Heyward	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) Predator 1020	PM# 34	
5. Name and Address of Applicant (Include ZIP Code) Aurora Specialty Chemistries 1520 Lake Lansing Rd. Lansing, MI 48912 <input type="checkbox"/> Check if this is a new address	6. Expedited Review. In accordance with FIFRA Section 3(c)(3)(b)(i), my product is similar or identical in composition and labeling to: <input checked="" type="checkbox"/> EPA Reg. No. 8622-20-69470 Product Name Biobromo C-103L	

**Section - II**

<input type="checkbox"/> Amendment - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application.
<input checked="" type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - Explain below.

Explanation: Use additional page(s) if necessary. (For section I and Section II.)

EPA PR 2007-4 container handling

**Section - III**

1. Material This Product Will Be Packaged In:					
Child-Resistant Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	2. Type of Container <input type="checkbox"/> Metal <input type="checkbox"/> Plastic <input type="checkbox"/> Glass <input type="checkbox"/> Paper <input type="checkbox"/> Other (Specify) _____		
* Certification must be submitted		If "Yes" Unit Packaging wgt. No. per container	If "Yes" Package wgt. No. per container		
3. Location of Net Contents Information <input type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container		5. Location of Label Directions <input type="checkbox"/> On Label <input type="checkbox"/> On Labeling accompanying product	
6. Manner in Which Label is Affixed to Product <input type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled <input type="checkbox"/> Other _____					

**Section - IV**

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)		
Name Vijay Pendse	Title Quality Control Manager	Telephone No. (Include Area Code) 517-372-9121
2. Signature <i>Vijay Pendse</i>		6. Date Application Received (Stamped) ○○○○○ ○○○○○ ○○○○○ ○○○○○ ○○○○○
3. Title Quality Control Manager		
4. Typed Name Vijay Pendse		
5. Date July 13, 2010		



1520 Lake Lansing Road Lansing, Michigan 48912  
Telephone (517) 372-9121  
Fax (517) 372-1956

July 12, 2010

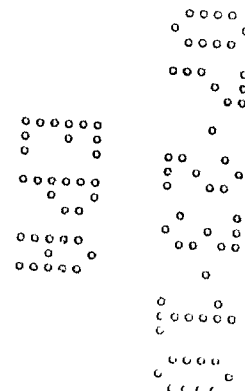
**Section II Explanation (Continued)**

**Certification Statement**

“Notification of label change per PR Notice 2007-4. This notification is consistent with the guidance in PA Notice 2007-4 and the requirements of the EPA’s regulations at 40 CFR §§ 156.10, 156.140, 156.144, 156.146 and 156.156. No other changes have been made to the labeling of the Confidential Statement of Formula for this product. I understand that if the amended label is not consistent with the requirements of 40 CFR §§ 156.10, 156.140, 156.144, 156.146 and 156.156, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA.”

A handwritten signature in black ink that reads 'Vijay Pendse'.

**Vijay Pendse**  
**Manager QC**  
**Aurora Specialty Chemistries**



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1520 Lake Lansing Road Lansing, Michigan 48912  
 Telephone (517) 372-9121  
 Fax (517) 372-1956

July 12, 2010

Attention: Mr. Adam Heyward/PM 34  
 Document Processing Desk (NOTIF)  
 Office of Pesticide Programs (7504P)  
 U. S. Environmental Protection Agency  
 Rm S-4900, One Potomac Yard  
 2777 South Crystal Dr.  
 Arlington, VA 22202-4501

Subject: Notification per PR Notice 2007-4  
 Predator 1020, EPA Reg. No. 47091-13

Dear Sir:

Please process the enclosed notification for the above referenced product.

The purpose of this notification is to:  
 Add language required by the Pesticide Container Rule under Storage and Disposal per PR Notice 2007-4.

Enclosed are:

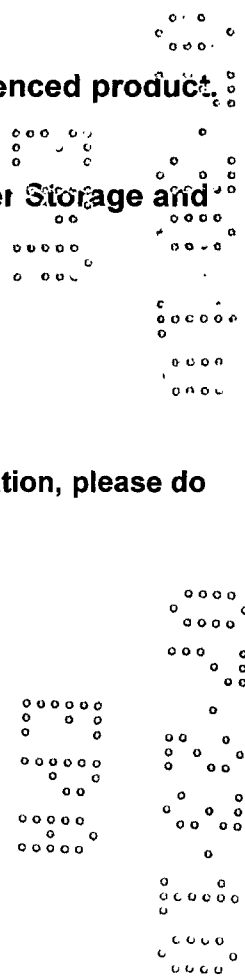
- Application form (EPA Form 8570-1)
- Annotated label
- Notification Certification Statement

If you have any questions or concerns, or need additional information, please do not hesitate to contact me at (517) 372-9121 or by email at [vpendse@auroraspchm.com](mailto:vpendse@auroraspchm.com)

Best regards,

A handwritten signature in black ink that reads 'Vijay Pendse'.

Vijay Pendse  
 Manager, QC  
 Aurora Specialty Chemistries



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# PRECAUTIONARY STATEMENT

## HAZARDS TO HUMANS AND DOMESTIC ANIMALS

### DANGER

**CORROSIVE:** Causes irreversible eye damage. May be fatal if swallowed. Harmful if inhaled or absorbed through skin. Do not get in eye, or on skin. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Use with adequate ventilation. Wash thoroughly with soap and water after handling and before eating, drinking, using tobacco, or using the toilet. Remove contaminated clothing and wash clothing before reuse.

### PERSONAL PROTECTION EQUIPMENT (PPE):

- Applicators and other handlers must wear:
- Coveralls worn over long sleeved shirt and long pants.
- Chemical resistant footwear plus socks.
- Goggles or face shield.
- Chemical-resistant gloves (such as barrier laminate, butyl rubber, neoprene rubber, nitrile rubber, polyvinyl chloride (PVC and viton).
- For mixing/loading: Wear a chemical resistant apron
- For cleaning equipment: Wear a chemical resistant apron

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions exist for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

<b>User Safety Requirements</b>
Users must wash hands before drinking, chewing gum, using tobacco, or using the toilet. Users must remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Users must remove personal protective equipment immediately after handling this product. Wash outside of gloves before removing. As soon as possible wash thoroughly.
<b>General Precautions and Restrictions</b>
Do not apply this product in a way that will contact workers or other persons.
<b>WARRANTY</b>
Seller warrants that this product conforms to its chemical description and is reasonably fit for the purposes stated on the label when used in accordance with label directions under normal conditions of use, but neither this warranty nor any other warranty of MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, express or implied, extends to the use of this product contrary to label instructions, or under abnormal conditions, or under conditions not reasonably foreseeable to Seller, and Buyer assumes the risk of any such use.

**NOTIFICATION**  
 Date Reviewed: 8/22/10  
 Reviewed By: [Signature]

# PREDATOR 1020

DBNPA

A MICROBIOCIDAL BACTERICIDE, FUNGICIDE, ALGAECIDE AND SLIMICIDE, USED IN TREATING RECIRCULATING COOLING WATER IN INDUSTRIAL COOLING SYSTEMS, PAPER MILLS, BREWERY PASTEURIZER WATER, METALWORKING CUTTING FLUIDS, NON-POTABLE REVERSE OSMOSIS SYSTEMS, ENHANCED OIL RECOVERY SYSTEMS, AIR-WASHER SYSTEMS, INDUSTRIAL PRESERVATION APPLICATIONS AND PUBLICLY-OWNED TREATMENT WORKS.

ACTIVE INGREDIENT: 2,2-Dibromo-3-nitropropionamide..... 20%  
 INERT INGREDIENTS: ..... 80%  
**TOTAL: ..... 100%**

10 pounds PREDATOR 1020 liquid per gallon.

**KEEP OUT OF REACH OF CHILDREN**

## DANGER

See side panels for additional precautionary statements

<b>FIRST AID</b>	
<b>If in eyes</b>	<ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li> <li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>If inhaled</b>	<ul style="list-style-type: none"> <li>• Move person to fresh air.</li> <li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.</li> <li>• Call a poison control center or doctor for further treatment advice.</li> </ul>
<b>If on skin or clothing</b>	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>If swallowed</b>	<ul style="list-style-type: none"> <li>• Call poison control center, or doctor immediately for treatment advice.</li> <li>• Have person sip a glass of water if able to swallow.</li> <li>• Do not induce vomiting unless told to do so by the poison control center or doctor.</li> <li>• Do not give anything by mouth to an unconscious person</li> </ul>
<p>Have the product container or label with you when calling a poison control center or doctor, or going for treatment.  <b>YOU MAY ALSO CONTACT 1-800-424-9300 FOR EMERGENCY MEDICAL TREATMENT INFORMATION.</b></p>	
<p><b>NOTE TO PHYSICIAN</b>          "Probable mucosal damage may contraindicate the use of gastric lavage."</p>	

**WASH THOROUGHLY AFTER HANDLING**

# PREDATOR 1020

DBNPA

A MICROBICIDAL BACTERICIDE, FUNGICIDE, ALGAECIDE AND SLIMICIDE, USED IN TREATING RECIRCULATING COOLING WATER IN INDUSTRIAL COOLING SYSTEMS, PAPER MILLS, BREWERY PASTEURIZER WATER, METALWORKING CUTTING FLUIDS, NON-POTABLE REVERSE OSMOSIS SYSTEMS, ENHANCED OIL RECOVERY SYSTEMS, AIR-WASHER SYSTEMS, INDUSTRIAL PRESERVATION APPLICATIONS AND PUBLICLY-OWNED TREATMENT WORKS.

ACTIVE INGREDIENT: 2,2-Dibromo-3-nitropropionamide..... 20%  
 INERT INGREDIENTS: ..... 80%  
**TOTAL: ..... 100%**

10 pounds PREDATOR 1020 liquid per gallon.

KEEP OUT OF REACH OF CHILDREN

## DANGER

See side panels for additional precautionary statements

### FIRST AID

<b>If in eyes</b>	<ul style="list-style-type: none"> <li>Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li> <li>Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>Call a poison control center or doctor for treatment advice.</li> </ul>
<b>If inhaled</b>	<ul style="list-style-type: none"> <li>Move person to fresh air.</li> <li>If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.</li> <li>Call a poison control center or doctor for further treatment advice.</li> </ul>
<b>If on skin or clothing</b>	<ul style="list-style-type: none"> <li>Take off contaminated clothing.</li> <li>Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>Call a poison control center or doctor for treatment advice.</li> </ul>
<b>If swallowed</b>	<ul style="list-style-type: none"> <li>Call poison control center, or doctor immediately for treatment advice.</li> <li>Have person sip a glass of water if able to swallow.</li> <li>Do not induce vomiting unless told to do so by the poison control center or doctor.</li> <li>Do not give anything by mouth to an unconscious person.</li> </ul>

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

**YOU MAY ALSO CONTACT 1-800-424-9300 FOR EMERGENCY MEDICAL TREATMENT INFORMATION.**

### NOTE TO PHYSICIAN

"Probable mucosal damage may contraindicate the use of gastric lavage."

WASH THOROUGHLY AFTER HANDLING

### ENVIRONMENTAL HAZARDS

This product is toxic to fish and aquatic organisms. Do not contaminate water by cleaning of equipment or disposal of waste. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA.

### CHEMICAL AND PHYSICAL HAZARDS

Reaction with strong reducing agents may be explosive. Avoid misting.

### STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

#### STORAGE

Store in a dark, cool, dry, well-ventilated area, not above 104°F (40°C), in well-closed original containers, away from energy sources, combustible organic materials, oxidizers and moisture.

#### DISPOSAL

Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

#### CONTAINER HANDLING

Non-refillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Offer for recycling, if available. If not, puncture and discard in a sanitary landfill or by other procedures approved by state and local authorities.

(For containers of 5 gallons or less) Triple rinse as follows: Empty the remaining contents into application equipment or mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.

(For containers with capacities greater than 5 gallons) Triple rinse as follows: Empty the remaining contents into application equipment or mix tank. Fill the container ¼ full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand container on its end and tip it back and forth several times. Empty rinsate into application equipment or mix tank or store rinsate for later use or disposal. Repeat this procedure two more times.

#### SPILLS

When handling or dealing with spills, use impact-resistant goggles with side shields, or face shield; wear body-covering clothes, including impervious rubber gloves and boots; use a respirator if misting occurs. Cover wet spills with 10% sodium bicarbonate solution, water and then an inert absorbent before sweeping up and disposing as described for pesticide disposal. If drum contents are contaminated or decomposing, isolate unsealed drum in the open or in a well-ventilated area: flood with 10% sodium bicarbonate solution and large volumes of water if necessary.

**KEEP CONTAINER TIGHTLY CLOSED WHEN NOT IN USE TO MAINTAIN PRODUCT QUALITY, STORE IN THE DARK AT TEMPERATURES BELOW 104°F (40°C). DO NOT SHIP WITH FOOD, FEEDS, DRUGS, OR CLOTHING DO NOT SMOKE, DRINK, OR EAT WHEN HANDLING**

### DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. Read entire label and use strictly in accordance with precautionary statements and directions.

#### DIRECTIONS FOR TREATING INDUSTRIAL RECIRCULATING COOLING WATER IN INDUSTRIAL COOLING SYSTEMS

**NOTE:** Add PREDATOR 1020 separately to the system. Do not mix it with other additives, so as to avoid decomposition of PREDATOR 1020 due to the high pH of many additive formulations.

Add PREDATOR 1020 to the basin (or any other point of uniform mixing). Addition should be made via a metering pump; it may be continuous or intermittent, depending on the severity of the contamination when treatment is begun, and the in-system retention time. Optimum performance with this product is achieved by continuous or intermittent treatment. If "shock" treatment is used, the blowdown should be discontinued for 24-48 hours.

#### FOR CONTROL OF BACTERIA

Add (0.12 – 1.22 fluid ounces) (1.2 – 11.9 ppm) of PREDATOR 1020 / 1000 gal. of water in the system depending on the severity of contamination.

#### INTERMITTENT OR SLUG METHOD

11.9 ppm) of PREDATOR 1020 / 1000 gal. of water in the system. Repeat until control is achieved.

**Subsequent Dose:** When microbial control is evident, add (0.3 – 1.22 fluid ounces) (3.0 – 11.9 ppm) of PREDATOR 1020 / 1000 gal. of water in the system every 4 days, or as needed to maintain control. Badly fouled systems must be cleaned before treatment is begun.

#### CONTINUOUS FEED METHOD

**Initial Dose:** When the system is noticeably fouled, add (0.61 – 1.22 fluid ounces) (6.0 – 11.9 ppm) of PREDATOR 1020 / 1000 gal. of water in the system.

**Subsequent Dose:** Maintain this level by pumping a continuous feed of (0.12 – 0.61 fluid ounces) (1.2 – 6.0 ppm) of PREDATOR 1020 / 1000 gal. of water in the system lost by blowdown. Badly fouled systems must be cleaned before treatment is begun.

#### FOR CONTROL OF FUNGI AND ALGAE

Add (3.71 – 12.16 fluid ounces) (36.2 – 118.5 ppm) of PREDATOR 1020 / 1000 gal. of water in the system, depending on the severity of contamination.

#### INTERMITTENT OR SLUG METHOD

**Initial Dose:** When the system is noticeably fouled, add (6.1 – 12.2 fluid ounces) (60.0 – 118.5 ppm) of PREDATOR 1020 / 1000 gal. of water in the system. Repeat until control is achieved.

**Subsequent Dose:** When microbial control is evident, add (3.7 – 12.2 fluid ounces) (36.2 – 118.5 ppm) of PREDATOR 1020 / 1000 gal. of water in the system daily, or as needed to maintain control. Badly fouled systems must be cleaned before treatment is begun.

#### CONTINUOUS FEED METHOD

**Initial Dose:** When the system is noticeably fouled, add (6.1 – 12.2 fluid ounces) (60.0 – 118.5 ppm) 0.048-0.095 gal.) of PREDATOR 1020 / 1000 gal. of water in the system.

**Subsequent Dose:** Maintain this treatment level by pumping a continuous feed of (3.7 – 12.2 fluid ounces) (36.2 – 118.5 ppm) (0.029-0.095 gal.) of PREDATOR 1020 / 1000 gal. of water in the system per day. Badly fouled systems must be cleaned before treatment is begun.

#### DIRECTIONS FOR TREATING PULP AND PAPER MILL SYSTEMS

**NOTE:** Add PREDATOR 1020 separately to the system. Do not mix it with other additives, so as to avoid decomposition of PREDATOR 1020 due to the high pH of many additive formulations. For the control of slime-forming bacterial, fungal, and yeast growth in pulp, paper and paperboard mills add PREDATOR 1020 at levels of (0.15-0.50 lb./ton) (dry) of pulp or paper produced. Addition can be continuous or intermittent, depending upon the type of system and the severity of contamination. Addition is via a metering pump at a point in the system that will ensure uniform distribution of PREDATOR 1020 in the mass of fiber and water, such as the beaters, Jordan inlet or discharge, broke chests, furnish chests, save-alls and white-water tanks. **Heavily fouled systems** must first be boiled out, then treated with (0.15-0.35 lb.) of PREDATOR 1020 /ton (dry) of paper or pulp as necessary for control. **Moderately fouled systems** should be treated continuously with (0.35-0.50 lb.) of PREDATOR 1020 /ton (dry) of paper or pulp until the slime accumulation is controlled. Subsequent rates can then be reduced to (0.15-0.35 lb.) of PREDATOR 1020 /ton (dry) of paper on a continuous or intermittent basis as needed for control. Dislodged slime may cause breaks in the paper and a clean-up of the paper machine may be advisable.

**Slightly fouled systems** should be treated continuously with (0.15-0.35 lb.) of PREDATOR 1020 /ton (dry) of paper or pulp, until the slime is controlled, then added on an intermittent basis to maintain control.

**THIS PRODUCT IS ONLY FOR USE IN NON-FOOD APPLICATION,** such as Brown paper Mills, Sheet for Corrugated Board, Kraft paper, Newsprint and similar paper/paperboard not intended for food contact.

#### DIRECTIONS FOR TREATING NON-POTABLE REVERSE OSMOSIS SYSTEMS

For controlling bacteria, fungi and algae slimes in non-potable Reverse Osmosis systems and peripheral equipment, add PREDATOR 1020 to the system inlet water or before any other contamination area ahead of the Reverse Osmosis unit. PREDATOR 1020 should be added with a metering pump on an intermittent basis depending on the severity of contamination and the guidelines specified by the membrane manufacturer for PREDATOR 1020.

Add PREDATOR 1020 at the rate of (0.12 – 12.3 fluid ounces) (0.01 to 1.0 lbs) (1.2 to 120 ppm) per 1000 gals of feedwater. During use of PREDATOR 1020 both permeate and reject waters should be directed to the drain. Once treatment is completed, rinsing with feedwater should continue until conductivity values in the permeate are at or below values before treatment with PREDATOR 1020. Badly fouled systems must be cleaned before treatment is begun.

#### FOR CONTROL OF BACTERIA

**Initial Dose:** When the system is noticeably fouled, add PREDATOR 1020 at the rate of (0.62 – 1.2 fluid ounces) (0.05 to 0.1 lb) (6.0 to 12 ppm) per 1000 gals of feedwater. Minimum treatment intervals should be 15 minutes. Repeat until control is achieved or as specified by guidelines recommended by the membrane manufacturer.

**Subsequent Dose:** When microbial control is achieved, add PREDATOR 1020 at the rate of (0.31 – 1.2 fluid ounces) (0.025 to 0.1 lb) (3.0 to 12 ppm) per 1000 gals of feedwater as needed to maintain control or as specified by guidelines recommended by the membrane manufacturer.

#### FOR CONTROL OF FUNGI AND ALGAE