

**Antimicrobials Division Work Plan for FY2004 and FY2005  
September 30, 2003**

*The following work plan depicts the candidates for registration, reregistration, tolerance reassessment, and major policy and special projects scheduled for review and completion during fiscal years 2004 and 2005. These projections are based on data currently available; however, these actions may be subject to change if situations arise to warrant modifications.*

**AD Work Plan for the Registration of Antimicrobial Pesticides**

FY2004 and FY2005 New Chemical Registration Candidates

The Antimicrobials Division's FY2004 and FY2005 Work Plan identifies four new chemical candidates for decision-making during fiscal year 2004 and five new chemical candidates for decision-making during fiscal year 2005. The Agency anticipates making a registration decision for each of the nine candidates. These projections are based on the data currently available and are subject to change.

<b>New Chemical Registration Candidates - FY2004 and FY2005</b>					
<b>Quarter</b>	<b>Chemical</b>	<b>Trade Name</b>	<b>Pesticide Type</b>	<b>Use Site</b>	<b>Registrant</b>
2 <sup>nd</sup> Quarter FY2004	Calcium Carbonate	_____	Antimicrobial	Antifoulant	Envirotech Bottom Paint Corp.
3 <sup>th</sup> Quarter FY2004	Polymeric Betaine (NAFTA chemical)	Polymeric Betaine™ and impralit KDS	Antimicrobial	TGAI MUP and EP/ Wood preservative	Rutgers Organics GmbH c/o Keller and Heckman LLP
3 <sup>th</sup> Quarter FY2004	Bis-(N- Cyclohexyldiazeni umdioxy)-copper (CU-HDO)	Cu-HDO & Wolmanit CX-10	Antimicrobial	MUP and EP/ Wood preservative	BASF Corporation, RTP
4 <sup>th</sup> Quarter FY2004	Busan 1157	_____	Antimicrobial	Cooling Towers Pulp and Paper Mills	Buckman Laboratories, Inc.

### New Chemical Registration Candidates - FY2004 and FY2005

<i>Quarter</i>	<i>Chemical</i>	<i>Trade Name</i>	<i>Pesticide Type</i>	<i>Use Site</i>	<i>Registrant</i>
2 <sup>nd</sup> Quarter FY2005	Bethoxazin	Betho guard Technical, Betho guard and Betho guard™ 300 SC	Antimicrobial	Preservative: MUP, textiles & Fibers/ Fabrics, building materials, plastics, paint and coating: Wood Preservative	Janssen Pharmaceutica
3 <sup>rd</sup> Quarter FY2005	Polylenol tetrasulfide	PXTS Technical & PXTS Blend D	Antimicrobial Fungicide	Preservative for wood products	Nkzo Nobel Functional Chemicals LLC
4 <sup>th</sup> Quarter FY2005	Pyrrole-3- carbonitrile, 4- bromo-2-(p- chlorophenyl)-5- (trifluoromethyl)	Econea	Antimicrobial	Antifoulant	Janssen Pharmaceutica
4 <sup>th</sup> Quarter FY2005	Fenpropimorph (cis-4-(3-(1,1 dimethyl ethyl)phenyl)-2- methylpropyl)-2,6- dimethylmorpholin e	Fenpropim orph and Wolsin FL 35	Antimicrobial	Preservative for MUP and EP Wood products	BASF Corporation, RTP
4 <sup>th</sup> Quarter FY2005	1,3 - Propanediamine, N-(3-aminopropyl)- N-dodecyl	Lonzabac	Antimicrobial	Sanitizer	Lonza

## FY2004 New Use Candidates for Registered Chemicals

The Antimicrobials Division identifies potential new uses for approximately six previously registered chemicals. As requests surface during the fiscal year, additional new use candidates may be added to this list for decision-making. From these new use candidates, the Agency anticipates issuing a new use registration decision for each candidate.

<b>New Use Registration Candidates - FY2004</b>					
<i>Quarter</i>	<i>Chemical</i>	<i>Trade Name</i>	<i>Pesticide Type</i>	<i>Use Site</i>	<i>Registrant</i>
2 <sup>nd</sup> Quarter FY2004	Calcium oxide	Cold ster	Antimicrobial	Medical Waste Treatment	Positive Impact Waste Solutions, Inc.
2 <sup>nd</sup> Quarter FY2004	Quaternary ammonium	Maquat	Antimicrobial	Swimming Pool	Mason Chemical
2 <sup>nd</sup> Quarter FY2004	Silver chloride	JMAC Composite PG	Antimicrobial	Cooling Tower	Clariant Corporation
2 <sup>nd</sup> Quarter FY2004	Sodium lauryl sulfate Sodium hydroxide	FIT	Antimicrobial	Fruit and Vegetable Wash	Proctor and Gamble
4 <sup>th</sup> Quarter FY2004	Iodine	Dentapure DP40	Antimicrobial	Water Purification Cartridge	MRLB International, Inc.
4 <sup>th</sup> Quarter FY2004	PHMB	Vantocil IB Microbiocide	Antimicrobial	Clothing Apparel	Avecia Biocides

## **Antimicrobials Division Work Plan for the Reregistration of Antimicrobial Pesticides**

### **FY2004 and FY2005 Candidates**

The Antimicrobials Division Work Plan identifies eight reregistration cases for decision-making during FY 2004. Four of the eight candidates for reregistration are considered food-use chemicals (pine oils, phenol and salts, benzisothiazolin-3-one, and propylene/dipropylene glycol) and the remaining four are considered non-food use chemicals (pentachlorophenol, creosote, chromated arsenicals, and zinc omadine). For FY 2005, AD has scheduled eight reregistration candidates of which four are considered food-use (chlorine dioxide, iodine, 2 phenylphenol and salts, and sodium fluoride) and four are non-food use candidates (azadioxabicyclooctane, dihalodialkyldantoin, PHMB and oleic acid, sulfonates). It should be noted that sodium fluoride is a dual use chemical with AD being the lead division and SRRD providing risk assessments for the agricultural uses.

Pesticides which have both antimicrobial and agricultural uses are considered dual use pesticides. During FY2004, AD will provide exposure and/or risk assessments to address the antimicrobial uses for three reregistration cases which have dual uses. While these are the proposed candidates for decision-making, deviations may be made during the fiscal years as warranted.

<b>AD Reregistration Outcomes - FY2004 and FY2005</b>						
<i>Quarter</i>	<i>Chemical Name</i>	<i>Case No.</i>	<i>Pesticide Type</i>	<i>Use Sites</i>	<i>Registrant</i>	<i>Comments</i>
<b>Reregistration Eligibility Decision Documents (REDs) FY 2004</b>						
3rd Quarter FY2004	Zinc Omadine	2480	Antimicrobial Fungicide	Boats/Ships Antifouling Treatment, Adhesives, Coatings, Metalworking Cutting Fluids, Paints, Plastic Products, Speciality Industrial Products, Textiles, Wet- End, Industrial Process Chemicals, Felt, Furs, Feathers, Paints, Air Ducts, Wood Surface Treatments, Fabric Surface Treatments	Avecia Inc. Arch Chemicals	

**AD Reregistration Outcomes - FY2004 and FY2005**

<i>Quarter</i>	<i>Chemical Name</i>	<i>Case No.</i>	<i>Pesticide Type</i>	<i>Use Sites</i>	<i>Registrant</i>	<i>Comments</i>
4th Quarter FY2004	Benzisothiazolin -3-one	3026	Antimicrobial Fungicide	Household Dwellings Indoor Nonfood Handling Areas Outdoor Residential (Water based paint & coating systems, aqueous adhesive & sealant systems) Adhesives, industrial (nonfood & indirect food contact surfaces) (Aqueous adhesives & sealant systems, adhesives: carboxy methyl cellulose and derivatives, animal glues, adhesives based on gelatin & latex) Coatings, Industrial (Water based paint & coating systems) Papermaking (food contact) Hides/leather/leather products (surfaces) Metalworking cutting fluids Paints Papermaking (nonfood	Creanova Inc.  Zeneca AG Products  PMC Specialities Group  Nipa Hardwick	

**AD Reregistration Outcomes - FY2004 and FY2005**

<i>Quarter</i>	<i>Chemical Name</i>	<i>Case No.</i>	<i>Pesticide Type</i>	<i>Use Sites</i>	<i>Registrant</i>	<i>Comments</i>
4 <sup>th</sup> Quarter FY2004	CCA	0132	Wood Preservative and Fungicide	Forest products consisting of: Lumber and Timber for Salt Water Use Only Piles, Poles, Plywood, Wood for Highway Construction, Poles, Piles and Posts Used as Structural Members on Farms, Plywood Used on Farms, Wood for Marine Construction, Round Poles and Posts Used in Building Construction, Sawn Timber Used To Support Residential and Commercial Structures, Sawn Crossarms, Structural Glued Laminated Members and Laminations Before Gluing, Structural Composite Lumber, Shakes and Shingles	Osmose Wood Preserving, Inc.;  Hickson Corp.;  Occidental Chemical Corp.;  Chemical Specialties, Inc.;  J. H. Baxter;  Phibro-Tech, Inc.;  Elementis Chromium LP	Residential uses canceled

**AD Reregistration Outcomes - FY2004 and FY2005**

<i>Quarter</i>	<i>Chemical Name</i>	<i>Case No.</i>	<i>Pesticide Type</i>	<i>Use Sites</i>	<i>Registrant</i>	<i>Comments</i>
4th Quarter FY2004	Creosote	0139	Wood Preservative	Utility Poles/ crossarms, Crossties, Railroad Ties, Groundline- contact Poles/Posts, Groundline- contact Building Components and Support Structures, Fence posts, Fences, Timbers, Lumbers, Pilings	KMG- Bernuth, Inc.  Koppers Industries, Inc.  Osmose, Inc.  Coopers Creek Chemical Corp.  Reilly Industries, Inc.  Western Tar Products Corp.  Carbo- lineum Wood Pres. Co.  IBC Manu- facturing, Co.  Trenton Sales, Inc.	Restricted Use Pesticide  No residential uses



**AD Reregistration Outcomes - FY2004 and FY2005**

<i>Quarter</i>	<i>Chemical Name</i>	<i>Case No.</i>	<i>Pesticide Type</i>	<i>Use Sites</i>	<i>Registrant</i>	<i>Comments</i>
4 <sup>th</sup> Quarter FY2004	Pentachloro-phenol	2505	Wood Preservative	Utility Poles/ Crossarms, Crossties, Poles, Posts, Timber, Lumber, Fencing, Shingles, Steps, Walkways, Groundline Building Components, Pilings, Piers, Docks, Bridges, Trusses, Porches, Shingles, Patios, Flooring, Laminated Beams	KMG- Bernuth, Inc.  Vulcan Materials Co.	Restricted Use Pesticide  Residential uses canceled

**AD Reregistration Outcomes - FY2004 and FY2005**

<i>Quarter</i>	<i>Chemical Name</i>	<i>Case No.</i>	<i>Pesticide Type</i>	<i>Use Sites</i>	<i>Registrant</i>	<i>Comments</i>
4th Quarter FY2004	Phenol and Salts	4074	Sanitizer, Bacterio-stat, Fungicide/ Fungistat, Tubercu- locide Disinfectant, Virucide	Eating Establishments Equipment/ Utensils (Food Contact) Bathroom Premises, Hard Surfaces, Diaper Pails, Dogs/Canines, Household/Do mestic Dwellings, Indoor Premises, Solid Waste Containers (Garbage Cans) Commercial- Transportation Facilities, Institutional/Ind ustrial Floors, Industrial Premises/ Equipment, Laundry Equipment, Paints, Latex, Specialty Industrial Products HVAC Hospital- Critical Items (Surgical Instruments/ Pacemakers) Hospital- Non Critical Items (Bedpans/Furni ture), Hospital- Semi Critical Items	Sporicidin International  DR. Novis Smith & Co. Inc.	

**AD Reregistration Outcomes - FY2004 and FY2005**

<i>Quarter</i>	<i>Chemical Name</i>	<i>Case No.</i>	<i>Pesticide Type</i>	<i>Use Sites</i>	<i>Registrant</i>	<i>Comments</i>
4 <sup>th</sup> Quarter 2004	Pine oils	3113	Disinfectant, sanitizer, microbiocide virucide	Eating Establishments (Non-Food Contact) Commercial, Institutional and Industrial Areas/ Premises Commercial, Institutional or Industrial Equipment Commercial Transportation facilities (Non- Food Contact) Laundry Equipment Diapers (Commercial Laundry) Refuse and Solid Waste Transportation and Handling Equipment Hard Non- Porous Surface Treatments Farm Animals (All or Unspecified) Automobiles and Ships Household or Domestic Dwellings Household or Domestic Dwelling Contents Bathroom Premises Human Bedding	Arizona Chemical  Union Camp  Clorox Company  Dow Brands  Hercules Inc.,  L & F Products  Procter & Gamble  SCM Glidco Organics  T & R Chemicals  Tecnal Ltd. Partnership	

**AD Reregistration Outcomes - FY2004 and FY2005**

<i>Quarter</i>	<i>Chemical Name</i>	<i>Case No.</i>	<i>Pesticide Type</i>	<i>Use Sites</i>	<i>Registrant</i>	<i>Comments</i>
4 <sup>th</sup> Quarter 2004	Propylene Glycol  Dipropylene Glycol	3126	Propylene glycol:  Air sanitizer Insecticide Fungicide Acaricide Tubercu- locide  Dipropylene Glycol:  Fungicide, Medical Disinfectant, Sanitizer, Virucide	Pets, Cats, Cats (kitten), Dogs, Dogs (puppies), Birds, Canaries, Parakeets, Household or Domestic Dwelling Controls, Eating Establishments (All),Eating Establishments (Equipment/ Utensils), Bathroom Premises, Unspecified Sites(Disinfecta nt only), Air Treatment, Hard Non- Porous Surface Treatment, Hospital/Medic al Premises, Garbage Cans, Laundry Equipment  <u>Dipropylene Glycol:</u>  Air Treatment, Bathroom Premises, Household, Human Bedding, Hospital Premises, Solid Waste Container	Olin Corp.  NCH Corp.  Pet Chemicals  Speer Products Inc.  Dipropylene Glycol:  Olin Corp.  Waterbury Companies Inc.	

<b>AD Reregistration Outcomes - FY2004 and FY2005</b>						
<i>Quarter</i>	<i>Chemical Name</i>	<i>Case No.</i>	<i>Pesticide Type</i>	<i>Use Sites</i>	<i>Registrant</i>	<i>Comments</i>
<b>Reregistration Eligibility Decision Documents (REDs) FY2005</b>						
3rd Quarter FY2005	Azadioxabicyco- octane	3023	Antimicrobial	Oil Recovery Drilling Muds /Packing Fluids Adhesives, Industrial Coatings, Industrial Emulsions, Resins/Latex/ Polymer Metalworking Cutting Fluids, Paints, Latex Paints, Latex/Oil/ Varnish, Paper/ Paper Products Speciality Industrial Products Wet-end Additives/ Industrial Processing Chemicals	Hüls America Inc.	

**AD Reregistration Outcomes - FY2004 and FY2005**

<i>Quarter</i>	<i>Chemical Name</i>	<i>Case No.</i>	<i>Pesticide Type</i>	<i>Use Sites</i>	<i>Registrant</i>	<i>Comments</i>
3rd Quarter FY2005	Dihalodialkyl-hydantoins	3055	Antimicrobial	Food Processing Water Systems, Hydrostatic Sterilizer Water Systems, Pasteurizer/Warmer/Cannery/Retort Water Systems, Paper/Paperboard Surface Treatments, Paper & paper Products, Toilet Bowls and Urinals, Filters (Air/Air Conditioner/Furnace/Air Ducts), Bathroom Surfaces, Air Treatments (Commercial/Household), Swimming Pool, Hot Tubs & Spas, Ponds/Aquaria, Air Washer Water Systems, Evaporative Condenser Water Systems, Pulp and Paper Mill Systems, Sewage Systems, Commercial/Industrial Water Cooling Tower	Ameri-brom Inc.  Bio-Lab Inc.  Great Lakes Chemical Corp.  Lonza Inc.  Hydrotech Inc.	

<b>AD Reregistration Outcomes - FY2004 and FY2005</b>						
<i>Quarter</i>	<i>Chemical Name</i>	<i>Case No.</i>	<i>Pesticide Type</i>	<i>Use Sites</i>	<i>Registrant</i>	<i>Comments</i>
3rd Quarter FY2005	Oleic acid, sulfonates	4069	Antimicrobial	Milking equipment, Food processing, handling and storage plant / areas Breweries Milk processing plants Meat processing plants Beverage processing plants	Alex Furgesson Inc.  Divessey Corp.	

**AD Reregistration Outcomes - FY2004 and FY2005**

<i>Quarter</i>	<i>Chemical Name</i>	<i>Case No.</i>	<i>Pesticide Type</i>	<i>Use Sites</i>	<i>Registrant</i>	<i>Comments</i>
3 <sup>rd</sup> Quarter FY2005	Poly (Hexamethylene biguanide)	3122	Antimicrobial	Food Processing Water Systems  Emulsions, Resin/Latex/ Polymer, Leather Processing Liquors, Leather/ Leather Products, Wet-End Additives/Indust rial Processing Chemicals, Industrial Electrocoats Oil Recovery Drilling Muds/Packer Fluids Secondary Oil Recovery Injection Water  Swimming Pool Water Systems Toilet Bowls/Urinals Surfaces/ Water, Bathroom Premises/Hard Surfaces	Zeneca AG Products  Alden Leeds, Inc.  Pal Hygiene Ltd.  Mareva Z.A.C.  De Saint Esteve	



**AD Reregistration Outcomes - FY2004 and FY2005**

<i>Quarter</i>	<i>Chemical Name</i>	<i>Case No.</i>	<i>Pesticide Type</i>	<i>Use Sites</i>	<i>Registrant</i>	<i>Comments</i>
4 <sup>th</sup> Quarter FY2005	Chlorine dioxide	4023	Bacteriostat	Food Processing, Handling and Storage Plants/Areas Bottling Plants Breweries Canneries and Frozen Food Plants Milk Processing Plants Fresh fruit and Vegetable Plants Meat Processing Plants Poultry Meant Processing Plants Egg Processing Plants Fish and Sea Food Processing Plants Mushroom Processing Plants Ice Plants Eating Establishments (All or Unspecified) Hospitals and Related Institutions (All or Unspecified) Morgues, Mortuaries, and Funeral Homes, Metalworking	International Dioxide, Inc  Bio-cide International Inc  Dyn-O-Mite International Inc  Chemical Cealin Co, Inc	

**AD Reregistration Outcomes - FY2004 and FY2005**

<i>Quarter</i>	<i>Chemical Name</i>	<i>Case No.</i>	<i>Pesticide Type</i>	<i>Use Sites</i>	<i>Registrant</i>	<i>Comments</i>
4 <sup>th</sup> Quarter 2005	Iodine	3080	Bacteriocide/ Bacteriostat, Disinfectant (Bacteriocide /Germicide), Fungicide/ Fungistat (Triocphyton) General Disinfectant, Medical Disinfectant, Microbicide/ Microbistat (Slime- Forming Bacteria), Sanitizer, Sterilizer/ Sporicide, Tubercu- locide, Virucide	Boot bath, Bottle/ Beverage Plants, Dairies/Cheese Processing Plant Equipment (Food Contact), Milk, Citrus and Ice Cream Processing Plants_Dairy Farm Milking Equipment, Eating Establishment, Eating Establishment, Equipment/Ute nsils,(Food Contact)_Egg Handling Equipment (Commercial), Food Processing Plant Equipment (Food Contact),  Bathroom Premises/ Hard Surfaces, Refuse/Solid Waste Sites (Indoor)_Urinals (Interior Surfaces)  Domestic/Com mercial Nonpotable Water (waterbed)	Diversey,  Chemlab,  Lonza,  EcoLab,  ChemLab,  HB Fuller,  HS Chemical,  Huntington Labs,  Rhone- Poulenc,  West Agro,  Westlake  WTC Industries,  Baltimore Air Coil Co.  Polar Equipment Recovery Engineering	

**AD Reregistration Outcomes - FY2004 and FY2005**

<i>Quarter</i>	<i>Chemical Name</i>	<i>Case No.</i>	<i>Pesticide Type</i>	<i>Use Sites</i>	<i>Registrant</i>	<i>Comments</i>
4 <sup>th</sup> Quarter FY2005	2 Phenylphenol and salts	2575	Bacteriostat Bactericide Microbistat Microbicide Nematicide	Citrus Fruits (all or unspecified) Farm animals (all or unspecified) Pets (all or unspecified) Poultry (all or unspecified) Fish (pets) Peppers Tomaotes Apples Pears Swine Animals (unspecified) Horses Laboratory animals Egg rooms	Dow Chemical  Clariant Corporation  Bayer Chemical Corporation	
4 <sup>th</sup> Quarter FY2005	Sodium fluoride	3132	Fungicide	Wood Protection Treatment	Osмосе Inc.	Dual Use Chemical

**AD Reregistration Outcomes - FY2004 and FY2005**

<i>Quarter</i>	<i>Chemical Name</i>	<i>Case No.</i>	<i>Pesticide Type</i>	<i>Use Sites</i>	<i>Registrant</i>	<i>Comments</i>
<b>Dual Use Pesticides Requiring AD Support</b>						
AD Deliverable to SRRD HED EFED 1 <sup>st</sup> Quarter 2004	Metam Sodium	2390	Disinfectant Microbiocide Microbiostat Fungicide Wood Preservative	Leather Processing, Ornamentals, Wood Protection Treatment, Drainage/ Sewage Systems, Food Processing Systems RACs, Ornamental Turf/Lawns/ Grasses/ Shrubs Trees, Sugar Mills and Sugar Cane Processing Equipment, Animals, Manure, Irrigation Systems	AMVAC Chemical Co.  Buckman Lab., Inc.  Platte Chemical Co.  Drexel Chemical Co.	Dual Use; AD Support

**AD Reregistration Outcomes - FY2004 and FY2005**

<i>Quarter</i>	<i>Chemical Name</i>	<i>Case No.</i>	<i>Pesticide Type</i>	<i>Use Sites</i>	<i>Registrant</i>	<i>Comments</i>
AD Deliverable to SRRD 4 <sup>th</sup> Quarter FY2004	Methyl Bromide	0335	Disinfectant Fungicide Herbicide Insecticide	Paper and Paper Products, Commercial, Institutional and Industrial Premise/Area/ Equipment, RACs, Ornamental and Herbaceous Plants, Soil Application, Machinery other than food processing machinery, Textiles, Fabrics and Fibers Ornamental Turf and Lawns Containers, Air-tight Chambers, Storage Areas, Ships, Boats, Railroad Cars, Trucks	Great Lakes Chemical Corp.  Soil Chemicals Corp. Ameri-brom Inc.  Albemarle Corp.  Hendrix and Dail Inc.  Trical, Reddick Fumigants Inc.  Shadow Mountain Products Corp.  Ca. Dept. of Food and Ag	Dual Use; AD Support

**AD Reregistration Outcomes - FY2004 and FY2005**

<i>Quarter</i>	<i>Chemical Name</i>	<i>Case No.</i>	<i>Pesticide Type</i>	<i>Use Sites</i>	<i>Registrant</i>	<i>Comments</i>
AD Deliverable to SRRD 4 <sup>th</sup> Quarter FY2004	Propiconazole	3125	Antimicrobial Fungicide	Fruits, Citrus Fruits, Corn, Grasses, Grain Crop, Sugarcane, Corn, Nuts, Ornamentals, Turf, Lawns, Trees, Wood Protection Treatment, Commercial and Industrial Water Cooling Tower Systems, Irrigation Systems, Adhesives, Coatings, Leather Products, Metalworking Cutting Fluids, Paper, Resin Emulsions, Speciality Industrial Products, Textiles, Wood Surface Treatments	Syngenta Crop Protection, Inc.  Bayer Corp., et al.	Dual Use; AD Support