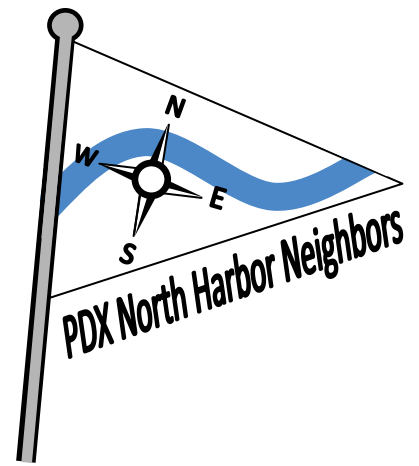
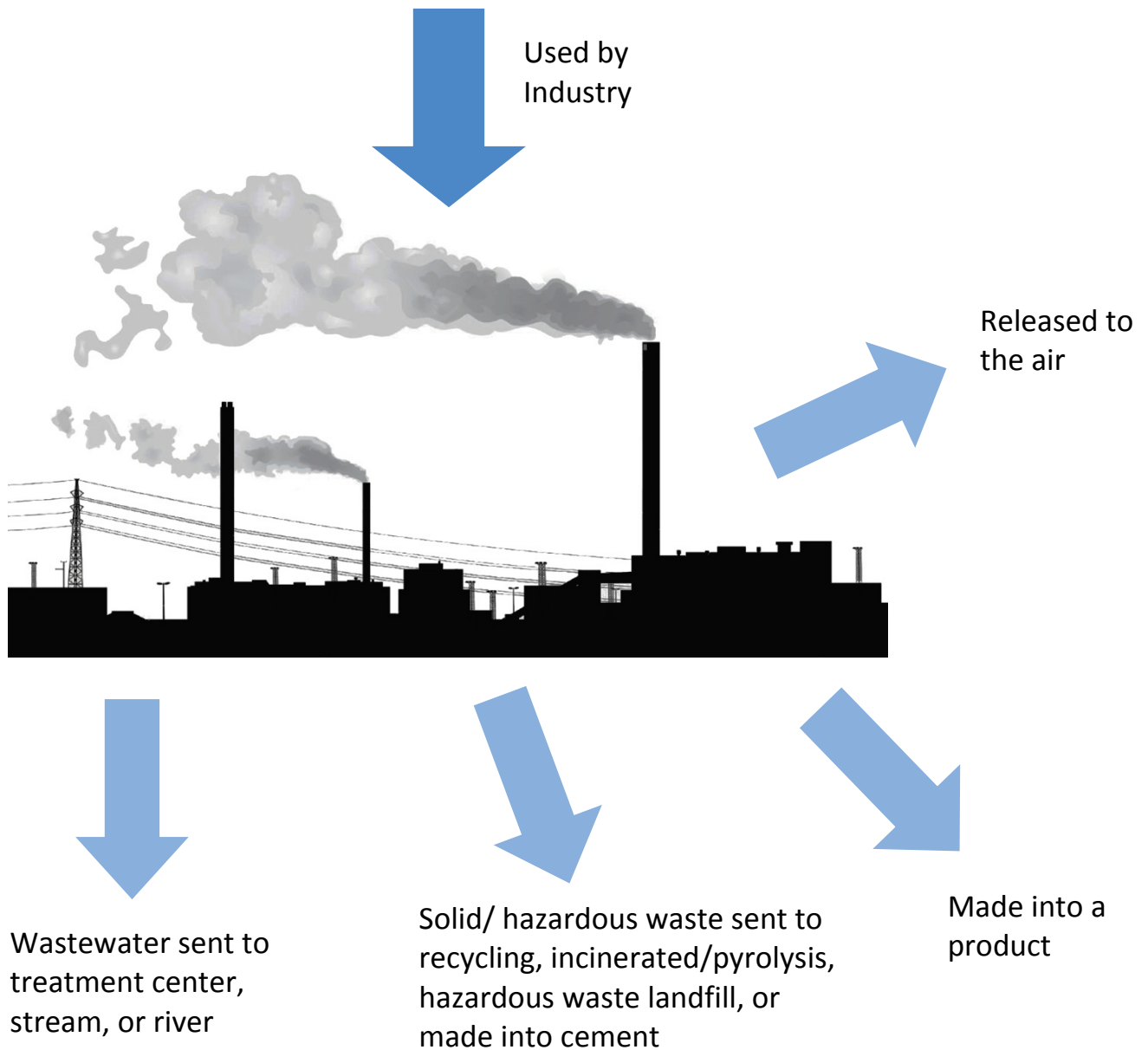


Onsite Chemical Storage

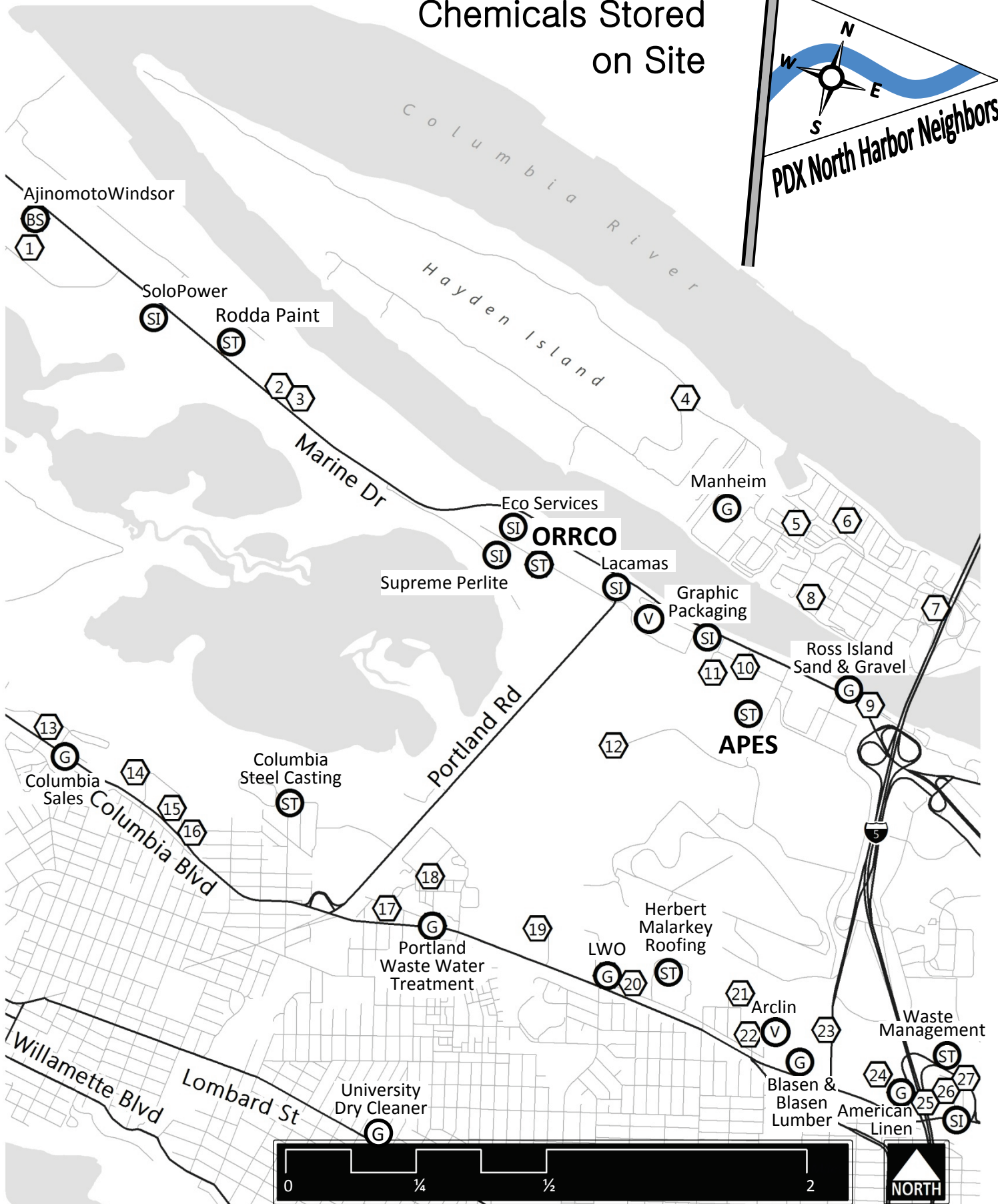
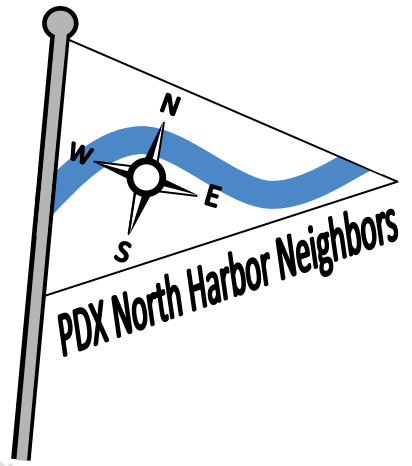
Portland North Harbor Industries



Stored
Hazardous
chemicals



Chemicals Stored on Site



- G General Air Contaminant Discharge Permit
- SI Simple Air Contaminant Discharge Permit
- ST Standard Air Contaminant Discharge Permit
- V Title V Air Contaminant Discharge Permit

HSIS listings for Portland North Harbor By Portland Clean Air

How Complete is HSIS Data?

The Oregon Office of State Fire Marshall's Hazardous Substance Information System (HSIS) tracks all onsite industrial chemical storage. Fire Marshalls have an interest to know what chemicals are onsite for the safety of fire fighters. HSIS has three auditors making random inspections of facilities. They have a hotline for industry to help them report correctly. HSIS has a chemical specialist available for industry. There are penalties for noncompliance. Fire Marshalls are aware of compliance and report new businesses to HSIS.

New businesses must obtain businesses licenses at Oregon License Directory operated by the Secretary of State at:

<http://sos.oregon.gov/business/Pages/check-state-license-requirements.aspx>

This system reports back to HSIS, so the Fire Marshall can send industries inventory forms to report their onsite chemical storage.

In many ways, HSIS data appears to be far more complete than Department of Environmental Quality (DEQ) Air Contaminant Discharge Permit (ACDP) data. In Multnomah and Washington County there are 2,793 facilities with HSIS listings.

For this study we removed the following chemicals from the dataset: gas, diesel, batteries, battery, or propane, hydrogen - helium mix, oxygen, nitrogen, nitrous oxide, argon, methane, helium, carbon dioxide, acetylene, hydrous sand and kaolin clay, starch, sucrose, vinegar, petroleum, silica sand, inorganic salt, ethylene glycol, titanium dioxide, DEET, oil based paint, paint, ferrous sulfate, calcium sulfate, salt, sand, concrete, lead acid batteries, nitrogen, oxygen, helium, perlite, sodium chloride, talc, used oil, various inert gasses, sodium carbonate, silica sand, automatic transmission fluid, antifreeze, cat litter

If these were the only substances on site we removed the industry entirely. This left 902 facilities in Washington and Multnomah Counties, which we reported on.

Excluding gas stations, Multnomah County has 285 facilities with ACDPs and Washington County has 158. So total ACDPs in Washington and Multnomah Counties is 443 excluding gas stations. These two counties have 309 Permitted gas stations. There are 2,041 facilities in Multnomah and Washington Counties with HSIS listings but without a DEQ Permit. Most of these seem not to be significant air polluters, but some of these un-Permitted industries are major air polluters. For example, Uroboros Glass in NE Portland, in the news for significant emissions of cadmium, had never been required to obtain a DEQ permit. Uroboros did have a HSIS listing including more than 5,000 pounds of cadmium stored on site.

Chemical storage not included in this HSIS data

Some HSIS data is removed as confidential. We did not include any confidential data. There are two reasons a chemical is listed as confidential:

Trade secrets:

If an industry is allowed to protect chemical storage from being public information because this would jeopardize an industrial trade secret, then the chemical is listed instead as:

tradesecret haz class and a number such as 6.3

For example, if an industry does not list hexane because doing so would reveal a trade secret, then the Fire Marshall would see it listed as hexane because the Fire Marshall has a copy of the confidential HSIS. The public would see the chemical listed as tradesecret haz class and a number

National Security:

After the September 11th attacks, the law changed. Now HSIS chemicals are kept confidential, and are not public information, if the chemicals are explosives, poison gasses (weapons of war like chlorine gas), etiologies (infectious agents), or radioactive materials.

The following pages are HSIS data listing all chemicals stored on site, except for those removed for the reasons stated above, for every industry depicted on the map on the front cover:

Onsite Chemical Storage

As we are primarily concerned with APES and ORRCO at this time, these two are listed first. All other Portland North Harbor industry with DEQ ACDP are then listed in alphabetical order. Industry with ACDP are labeled with industry name on the preceding map. Finally, all Portland North Harbor industry with HSIS listings operating with DEQ ACDP are listed alphabetically with a number corresponding to the number on the preceding map.

HSIS of ACDP Industry

OIL RE-REFINING COMPANY INC (ORRCO)

	4150 N SUTTLE RD	
HEPTANE	1,000-4,999	POUNDS
ALUMINUM SULFATE	500-999	GALLONS
ALUMINUM SULFATE HYDRATE	500-999	GALLONS
CALCIUM HYDROXIDE	1,000-4,999	GALLONS
SODIUM SULFITE	500-999	GALLONS
SODIUM HYDROXIDE	1,000-4,999	POUNDS
SODIUM HYDROXIDE	1,000-4,999	POUNDS

AMERICAN PETROLEUM ENVIRONMENTAL SERVICE

(APES) AKA CLEAR LUBE 11535 N FORCE AVE

ACETYLENE	500-599	CUBIC FEET
ETHYLENE GLYCOL	1,000-4,999	GALLONS
ISOPROPYL ALCOHOL	500-999	GALLONS
PETROLEUM MID-DISTILLATES	1,000-4,999	GALLONS
SEVERELY REFINED PETROLEUM DISTILLATES	500-999	GALLONS
SODIUM HYDROXIDE	1,000-4,999	GALLONS
ISOMETRIC DIBENZYL TOLUENES	1,000-4,999	GALLONS
PETROLEUM HYDROCARBONS	250,000-499,999	GALLONS

AJINOMOTO WINDSOR INC	7124 N MARINE DR	
SODIUM HYDROXIDE	500-999	GALLONS
SULFURIC ACID	50-199	POUNDS
SODIUM HYDROXIDE	1,000-4,999	GALLONS

ALSCO AMERICAN LINEN	1441 N COLUMBIA BLVD	
SODIUM SILICOFLUORIDE	1,000-4,999	GALLONS
SODIUM CARBONATE	1,000-4,999	POUNDS
SODIUM SILICOFLUORIDE	1,000-4,999	POUNDS
SODIUM CARBONATE	1,000-4,999	GALLONS
SODIUM CARBONATE	10,000-49,999	GALLONS
SODIUM HYDROXIDE	500-999	GALLONS
ALSCO ALCOHOL ETHOXYLATED	500-999	POUNDS

ARCLIN SURFACES LLC	2301 N COLUMBIA BLVD	
STEARIC ACID	5,000-9,999	GALLONS
FORMALDEHYDE	10,000-49,999	CUBIC FEET
FORMIC ACID	1,000-4,999	GALLONS
WALNUT HULL DUST	10,000-49,999	GALLONS

HEXAMETHYLENETETRAMINE	10,000-49,999	GALLONS
METHANOL	5,000-9,999	GALLONS
P-TOLUENESULFONIC ACID	1,000-4,999	GALLONS
METHYL ALCOHOL	10,000-49,999	POUNDS
PHENOL	50,000-99,999	GALLONS
METHYL ETHYL KETONE	10,000-49,999	GALLONS
POLYVINYL ACETATE	5,000-9,999	POUNDS
AMMONIA	500-999	POUNDS
SODIUM HYDROXIDE	5,000-9,999	GALLONS
STANNOUS CHLORIDE	1,000-4,999	GALLONS
TRIETHYLAMINE	5,000-9,999	GALLONS
UREA	5,000-9,999	POUNDS
PHOSPHATE ESTER	500-999	GALLONS
PROPRIETARY	5,000-9,999	GALLONS
4-4-ISOPROPYLIDENEDIPHENOL	50,000-99,999	POUNDS
METHANOL	100,000-249,999	POUNDS
CALCIUM OXIDE	5,000-9,999	POUNDS
ETHOXYLATED NONYLPHENOL	1,000-4,999	POUNDS
NONE LISTED ON MSDS	1,000-4,999	POUNDS
MORPHOLINE	500-999	POUNDS
TITANIUM DIOXIDE	5,000-9,999	GALLONS

COLUMBIA STEEL CASTING CO	10425 N BLOSS AVE	
STEEL	500-999	GALLONS
SELENIUM	10,000-49,999	GALLONS
POLYCYCLODIENE	500-999	GALLONS

DAIMLER TRUCKS NORTH AMERICA LLC

	6936 N FATHOM ST	
LUBRICANT BASE OIL	5,000-9,999	GALLONS
NONE AS PER 29CFR 1910.1200	1,000-4,999	GALLONS
REFINED MINERAL OIL	5,000-9,999	POUNDS
1,1,1,2-TETRAFLUOROETHANE	10,000-49,999	GALLONS
SULFURIC ACID	500-999	GALLONS
DIATOMACEOUS EARTH	1,000-4,999	GALLONS
LUBRICATING OILS USED	500-999	GALLONS
METHYL ALCOHOL	1,000-4,999	POUNDS
CALCIUM CHLORIDE	1,000-4,999	POUNDS
HEPTAN-2-ONE	500-999	GALLONS
ACETONE	10,000-49,999	GALLONS
ACETONE	1,000-4,999	POUNDS
SODIUM HYDROXIDE	500-999	POUNDS
DIMETHYL BENZYL AMMONIUM CHLORIDES	500-999	GALLONS

ECO SERVICES OPERATIONS LLC	4429 N SUTTLE RD	
ALUMINUM SULFATE HYDRATE	100,000-249,999	GALLONS
FUEL OIL RESIDUAL	10,000-49,999	POUNDS
SULFURIC ACID	500,000-749,999	POUNDS
SULFURIC ACID	250,000-499,999	POUNDS

FLINT GROUP NORTH AMERICA CORP	2985 N MARINE DR	
CARBON BLACK	500-999	GALLONS
TITANIUM DIOXIDE	500-999	GALLONS

GRAPHIC PACAGING INTERNATIONAL, INC.			SODIUM HYPOCHLORITE	500-999	GALLONS
	3400 N MARINE DR E		SODIUM METABISULFATE	1,000-4,999	GALLONS
THYL ACETATE	500-999	POUNDS	SODIUM NITRITE	500-999	GALLONS
PARAFFIN WAX	5,000-9,999	GALLONS	TETRA METHYLENE SULPHONE	1,000-4,999	POUNDS
2-BUTOXYETHANOL	10,000-49,999	GALLONS	SULFURIC ACID	200-499	GALLONS
N PROPYL ALCOHOL	5,000-9,999	GALLONS	TETRAHYDROFURAN	1,000-4,999	GALLONS
N-PROPYL ACETATE	500-999	POUNDS	THIONYL CHLORIDE	1,000-4,999	GALLONS
ETHYLENE HOMOPOLYMER	750,000-999,999	GALLONS	TOLUENE	1,000-4,999	GALLONS
REFINED MINERAL OIL	500-999	POUNDS	UREA	1,000-4,999	GALLONS
AMMONIA	500-999	GALLONS	VARIOUS	5,000-9,999	GALLONS
VINYLDENE CHLORIDE METHYL METHACRYLONIT			XYLENE (MIXED ISOMERS)	1,000-4,999	GALLONS
	10,000-49,999	GALLONS	ZINC CHLORIDE	5,000-9,999	CUBIC
VINYLDENE CHLORIDE-BASED COPOLYMER			FEET		
	10,000-49,999	GALLONS	NONE LISTED	1,000-4,999	POUNDS
VINYLDENE CHLORIDE METHYL METHACRYLATE			TETRABUTYL AMMONIUM BROMIDE		
	1,000-4,999	POUNDS		1,000-4,999	POUNDS
ALIPHATIC HYDROCARBON SOLVENT			PIPERAZINE ANYHDROUS	1,000-4,999	GALLONS
	5,000-9,999	GALLONS	OCTADOCANOL	1,000-4,999	GALLONS
HERBERT MALARKEY ROOFING CO			POLY(OXY(METHYL-1,2-ETHANEDIYL))		
	3131 N COLUMBIA BLVD			1,000-4,999	GALLONS
ACRYLIC RESIN	10,000-49,999	GALLONS	LEUCO QUINIZARIN	1,000-4,999	GALLONS
STYRENE	250,000-499,999	GALLONS	OCTADECYL ISOCYANITE	5,000-9,999	GALLONS
CALCIUM CARBONATE	750,000-999,999	GALLONS	4-NITROPHTHALONITRILE		
CHROMIUM OXIDE/COPPER OXIDE				10,000-49,999	GALLONS
	1,000,000-2,499,999	GALLONS	1,4-BUTANEDIOL	1,000-4,999	GALLONS
POLYETHYLENE	1,000-4,999	GALLONS	ANTHRANILIC ACID	1,000-4,999	POUNDS
PROPRIETARY	10,000-49,999	GALLONS	CHLOROMETHYL CHLOROFORMATE		
COLEMANITE	50,000-99,999	GALLONS		1,000-4,999	POUNDS
2,5-FURANDIONE, POLYMER WITH 1-PROPENE			CREATINE MONOHYDRATE	500-999	GALLONS
	10,000-49,999	GALLONS	DODECYLAMINE	5,000-9,999	GALLONS
FIBER GLASS CONTINUOUS	500,000-749,999	GALLONS	PHOSPHORUS PENTASULFIDE	1,000-4,999	GALLONS
LACAMAS LABORATORIES INC			TRIMETHYL ORTHOFORMATE	500-999	GALLONS
	3625 N SUTTLE RD		POTASSIUM BICARBANATE	500-999	GALLONS
ETHANOL	1,000-4,999	CUBIC FEET	1,1-CARBONYLDIIMIDAZOLE	1,000-4,999	GALLONS
ETHYL ACETATE	500-999	GALLONS	BENZYL CHLORIDE	1,000-4,999	GALLONS
HYDROBROMIC ACID	1,000-4,999	CUBIC FEET	DIOCTADECYLAMINE	1,000-4,999	GALLONS
ISOPROPYL ACETATE	500-999	GALLONS	1,2-DIMETHOXYETHANE	1,000-4,999	POUNDS
ISOPROPYL ALCOHOL	1,000-4,999	GALLONS	ISOBUTYRAMIDE	1,000-4,999	POUNDS
MAGNESIUM	1,000-4,999	GALLONS	L-PHENYLALANINE	500-999	GALLONS
METHANOL	1,000-4,999	GALLONS	METHYL 2- ANTHRANILATE	5,000-9,999	GALLONS
METHYL ETHYL KETONE	1,000-4,999	GALLONS	ETHANOLAMINE	500-999	POUNDS
HYDROCHLORIC ACID	1,000-4,999	GALLONS	DIMERDIOL FATTY DIOL, C36 BRANCHED		
N-METHYLPYRROLIDONE	1,000-4,999	GALLONS		1,000-4,999	GALLONS
PARAFORMALDEHYDE	1,000-4,999	GALLONS	QUINIZARIN	1,000-4,999	GALLONS
POTASSIUM CARBONATE	1,000-4,999	POUNDS	SODIUM AMIDE	5,000-9,999	POUNDS
POTASSIUM HYDROXIDE	1,000-4,999	GALLONS	3 NC-510 HYDROCARDANOL	10,000-49,999	POUNDS
AMMONIA	5,000-9,999	GALLONS	3,6-DICHLOROFLUOROESCEIN	1,000-4,999	POUNDS
SODIUM ACETATE	1,000-4,999	GALLONS	4-AMINO BENZENE ETHANOL	1,000-4,999	POUNDS
SODIUM BICARBONATE	1,000-4,999	POUNDS	5-CHLORO-2-PENTANONE	1,000-4,999	POUNDS
SODIUM CARBONATE	1,000-4,999	POUNDS	COPPER ACETATE	1,000-4,999	POUNDS
SODIUM CHLORIDE	1,000-4,999	GALLONS	PIPERIDINE	1,000-4,999	GALLONS
SODIUM HYDROXIDE	50,000-99,999	GALLONS	SODIUM HYDROXIDE	5,000-9,999	POUNDS
			DIATOMACEOUS EARTH	1,000-4,999	GALLONS

CITRIC ACID	1,000-4,999	POUNDS
DI-TERT-BUTYL DICARBONATE	10,000-49,999	POUNDS
ACETONE	1,000-4,999	POUNDS
ACETONITRILE	1,000-4,999	POUNDS

RODDA PAINT CO. 6123 N MARINE DR

100% NON VOL. LIQUID RESINS	1,000-4,999	GALLONS
100% NON VOL. SOLID RESINS	10,000-49,999	POUNDS
ALCOHOLS-DRUMS	1,000-4,999	GALLONS
CALCIUM CARBONATE	,000-249,999	POUNDS
COLORANT	500-999	GALLONS
ESTERS	1,000-4,999	GALLONS
ETHYL ALCOHOL	5,000-9,999	GALLONS
GLYCOL ETHERS	1,000-4,999	GALLONS
GLYCOLS	5,000-9,999	GALLONS
HAZARDOUS HEAVY METAL COMPOUND-BARIUM		

	1,000-4,999	POUNDS
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INORGANIC COLORED PIGMENTS	500-999	POUNDS
IRON OXIDE PIGMENTS	5,000-9,999	POUNDS
KETONE THINNERS BULK	1,000-4,999	GALLONS
KETONE THINNERS-DRUMS	1,000-4,999	GALLONS
LACQUER AND EPOXY THINNER	500-999	GALLONS
LATEX EMULSIONS	50,000-99,999	GALLONS
METALLIC DRIERS	500-999	GALLONS
METALLIC FLAKE PIGMENTS	500-999	POUNDS
MISC EXTENDER PIGMENTS	100,000-249,999	

POUNDS

MISC LATEX PAINT ADDITIVES	5,000-9,999	GALLONS
MISC. ADDITIVES (OIL BASE PAINT)	1,000-4,999	GALLONS
NITROCELLULOSE	10,000-49,999	POUNDS
ORGANIC COLORED PIGMENTS	1,000-4,999	POUNDS

PURINA ANIMAL NUTRITION LLC

15840 N SIMMONS RD

MAGNESIUM SULFATE	1,000-4,999	POUNDS
IRON SULFATE	1,000-4,999	GALLONS
FERRIC OXIDE	1,000-4,999	GALLONS
REFINED MINERAL OIL	1,000-4,999	POUNDS
MANGANESE SULFATE	1,000-4,999	GALLONS
DICALCIUM PHOSPHATE DIHYDRATE		

	100,000-249,999	GALLONS
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MONOSODIUM PHOSPHATE	1,000-4,999	GALLONS
PROPIONIC ACID	10,000-49,999	GALLONS
IRON SULFATE	1,000-4,999	POUNDS
POTASSIUM CHLORIDE	5,000-9,999	GALLONS
IRON SULFATE	1,000-4,999	CUBIC

FEET

AMMONIUM SULFATE	5,000-9,999	GALLONS
SODIUM CHLORIDE	50,000-99,999	CUBIC

FEET

CALCIUM CARBONATE	10,000-49,999	GALLONS
ZINC OXIDE	1,000-4,999	POUNDS
SODIUM BICARBONATE	10,000-49,999	GALLONS
UREA	5,000-9,999	POUNDS

ZINC SULFATE	1,000-4,999	POUNDS
ZINC SULFATE	5,000-9,999	POUNDS
CALCIUM CARBONATE	50,000-99,999	GALLONS
EDIBLE GRAIN MIXTURE	1,000-4,999	POUNDS
IRON SULFATE	1,000-4,999	POUNDS
SODIUM HYDROXIDE	500-999	POUNDS
COPPER SULFATE PENTAHYDRATE	5,000-9,999	GALLONS

FUEL PROCESSORS INC

4150 N SUTTLE RD

HEPTANE	1,000-4,999	POUNDS
ALUMINUM SULFATE	500-999	GALLONS
ALUMINUM SULFATE HYDRATE	500-999	GALLONS
CALCIUM HYDROXIDE	1,000-4,999	GALLONS
SODIUM SULFITE	500-999	GALLONS
SODIUM HYDROXIDE	1,000-4,999	POUNDS
SODIUM HYDROXIDE	1,000-4,999	POUNDS

PRECISION EQUIPMENT INC

8440 N KERBY AVE

BASE LUBRICATING OILS	1,000-4,999	GALLONS
CHROMIUM & SODIUM HYDROXIDE		
	1,000-4,999	POUNDS
CHROMIUM TRIOXIDE	500-999	GALLONS
CHROMIC ACID	1,000-4,999	GALLONS

ROSS ISLAND SAND & GRAVEL CO

1835 N MARINE DR

NONE LISTED ON MSDS	1,000-4,999	POUNDS
NONE LISTED ON SDS	1,000-4,999	GALLONS
TRIETHANOLAMINE	1,000-4,999	GALLONS
CALCIUM NITRATE, TETRAHYDRATE	1,000-4,999	POUNDS
CALCIUM OXIDE	50,000-99,999	POUNDS
PHOSPHONIC ACID ((NITRILOTRIS(METHYLENE		
	500-999	POUNDS

SILTRONIC CORP

7200 NW FRONT AVE

ORGANIC ACIDS	500-999	GALLONS
2,2-DICHLORO-1,1,1-TRIFLUOROETHANE		

	500-999	GALLONS
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HYDROFLUORIC ACID	5,000-9,999	GALLONS
HYDROFLUORIC ACID	1,000-4,999	GALLONS
CALCIUM HYDROXIDE	1,000-4,999	GALLONS
CALCIUM OXIDE	10,000-49,999	POUNDS
CALCIUM HYDROXIDE	5,000-9,999	GALLONS
NITRIC ACID	5,000-9,999	GALLONS
POTASSIUM HYDROXIDE	1,000-4,999	GALLONS

POTASSIUM HYDROXIDE	1,000-4,999	CUBIC FEET
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SILANE	1,000-4,999	CUBIC FEET
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SILICON CARBIDE	10,000-49,999	GALLONS
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SILICON	10,000-49,999	POUNDS
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SODIUM HYDROXIDE	10,000-49,999	CUBIC FEET
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SODIUM METABISULFATE	500-999	GALLONS
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SODIUM SULFIDE	1,000-4,999	POUNDS
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NITRIC ACID	1,000-4,999	GALLONS
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TETRAMETHYLAMMONIUM HYDROXIDE		
	5,000-9,999	POUNDS

TRICHLOROSILANE	1,000-4,999	GALLONS		1,000-4,999	POUNDS
POLY(OXY-1,2-ETHANEDIYL),ALPHA-(NONYLPHE			ACETONE	500-999	GALLONS
	1,000-4,999	GALLONS	N-BUTYL ACETATE	10,000-49,999	POUNDS
TRIETHANOLAMINE	1,000-4,999	CUBIC FEET	NONYLPHENOL POLYETHOXYLATE	5,000-9,999	POUNDS
GALLIUM ARSENIDE	10,000-49,999	GALLONS	FIBROUS GLASS	500-999	POUNDS
SODIUM HYDROXIDE	10,000-49,999	GALLONS	NYLON RESINS	100,000-249,999	GALLONS
HYDROFLUORIC ACID	100,000-249,999	GALLONS	BENZENE, 1-CHLORO-4-(TRIFLUOROMETHYL)		
ORGANICS	10,000-49,999	GALLONS		5,000-9,999	POUNDS
NITRIC ACID	100,000-249,999	GALLONS	ETHENE/BUTENE COPOLYMER		
TETRAMETHYL AMMONIUM HYDROXIDE				250,000-499,999	GALLONS
	1,000-4,999	GALLONS	POLYETHYLENE HOMOPOLYMER		
1,1-DICHLORO-2,2,2-TRIFLUOROETHANE				100,000-249,999	GALLONS
	500-999	GALLONS	1-HEXENE POLYMER WITH ETHENE		
STRONG ACID CATION EXCHANGE POLYMER				250,000-499,999	GALLONS
	1,000-4,999	GALLONS	POLYETHYLENE, HOMOPOLYMER		
POLYALUMINUM CHLORIDE	500-999	GALLONS		250,000-499,999	POUNDS
SILICON DIOXIDE	10,000-49,999	GALLONS	POLYETHYLENE	250,000-499,999	GALLONS
SILICON CARBIDE	10,000-49,999	GALLONS	POLYETHYLENE RESINS	500-999	GALLONS
2-BUTOXYETHANOL	500-999	GALLONS	STYRENE MONOMER STABILIZED	1,000-4,999	GALLONS
TRIETHANOLAMINE	500-999	GALLONS	NONE LISTED ON MSDS	10,000-49,999	POUNDS
SULFURIC ACID	1,000-4,999	GALLONS	THERMOPLASTIC RESIN	250,000-499,999	POUNDS
CITRIC ACID	1,000-4,999	GALLONS	PROPYLENE/ETHYLENE COPOLYMER		
ALUMINUM OXIDE	5,000-9,999	GALLONS		100,000-249,999	POUNDS
HSIS Only Industries					
1 JACOBSON COMPANY	7409 N LEADBETTER RD		THERMOPLASTIC RESIN	1,000-4,999	POUNDS
ETHYL ACETATE	5,000-9,999	GALLONS	PROPYL ACETATE	1,000-4,999	POUNDS
TOLUENE	500-999	GALLONS	THERMOPLASTIC RESIN	100,000-249,999	GALLONS
HEPTANE	5,000-9,999	GALLONS	THERMOPLASTIC RESIN	5,000-9,999	GALLONS
N-HEXANE	5,000-9,999	GALLONS	THERMOPLASTIC RESIN	1,000-4,999	POUNDS
SOLVENT NAPHTHA LIGHT AROMATIC			2-AMINO-2-METHYL-1-PROPANOL		
	5,000-9,999	GALLONS		1,000-4,999	POUNDS
METHYL ETHYL KETONE PEROXIDES			DIMETHYL GLUTARATE	1,000-4,999	GALLONS
	5,000-9,999	GALLONS	BUTYL BENZYL PHTHALATE	1,000-4,999	GALLONS
METHYL ETHYL KETONE PEROXIDES			THERMOPLASTIC RUBBER	10,000-49,999	POUNDS
	500-999	POUNDS	HEPTANE	500-999	POUNDS
ISOPROPANOL	500-999	GALLONS	SODIUM XYLENE SULFONATE	10,000-49,999	POUNDS
ISOBUTYL ACETATE	5,000-9,999	GALLONS	STYRENE	100,000-249,999	POUNDS
ISOBUTYL ISOBUTYRATE	1,000-4,999	GALLONS	STYRENE	500-999	POUNDS
ISOPROPANOL	10,000-49,999	POUNDS	TALC	10,000-49,999	POUNDS
ISOPROPYL ACETATE	5,000-9,999	POUNDS	TERT-BUTYL ACETATE	5,000-9,999	POUNDS
VARIOUS	500-999	GALLONS	TRIMETHYLPENTANEDIOL MONOISOBUTYRATE		
2,2,4-TRIMETHYL-1,3-PENTANEDIOL DIISOBUT				5,000-9,999	GALLONS
	5,000-9,999	POUNDS	TITANIUM DIOXIDE	5,000-9,999	GALLONS
METHANOL	10,000-49,999	POUNDS	TOLUENE	10,000-49,999	GALLONS
2-HEPTANONE	1,000-4,999	POUNDS	POLYMER	10,000-49,999	GALLONS
METHYL ETHYL KETONE	10,000-49,999	POUNDS	METHANOL	5,000-9,999	POUNDS
METHYL ISOAMYL KETONE	1,000-4,999	POUNDS	XYLENE (MIXED ISOMERS)	10,000-49,999	POUNDS
METHYL ISOBUTYL KETONE	10,000-49,999	CUBIC FEET	POLYAMIDE RESIN	5,000-9,999	GALLONS
METHYL PROPYL KETONE	50,000-99,999	GALLONS	AMMONIA	1,000-4,999	POUNDS
METHYL T- BUTYL ETHER	5,000-9,999	POUNDS	STYRENE	50,000-99,999	POUNDS
ALIPHATIC HYDROCARBONS	5,000-9,999	POUNDS	STYRENE	10,000-49,999	POUNDS
SYNTHETIC ISOPARAFFINIC HYDROCARBON			PROPANOL, NORMAL	5,000-9,999	POUNDS
			POLYVINYL CHLORIDE RESIN	10,000-49,999	POUNDS
			BUTYL ACETATE	5,000-9,999	POUNDS

POLYHEXAMETHYLENE ADIPAMIDE	10,000-49,999	POUNDS
ETHOPROP	100,000-249,999	POUNDS
DISODIUM DODECYLDIPHENYL ETHER DI	500-999	POUNDS
PENTACHLORONITROBENZENE (PCNB)	10,000-49,999	POUNDS
PENTACHLORONITROBENZENE	5,000-9,999	POUNDS
CYCLOHEXANE	5,000-9,999	GALLONS
DIACETONE ALCOHOL	5,000-9,999	POUNDS
DIBUTYL PHTHALATE	500-999	POUNDS
ACETONE	100,000-249,999	POUNDS
DIISONONYL PHTHALATE LINEAR	1,000-4,999	POUNDS

2 BRANDWATCH TECHNOLOGIES INC

	5921 N MARINE DR	
SODIUM CARBONATE	1,000-4,999	POUNDS
SULFUR	500-999	GALLONS
YTTRIUM OXIDE	5,000-9,999	POUNDS
OXIDE	50-199	POUNDS
YTTRIUM OXIDE	1,000-4,999	POUNDS
DIPOTASSIUM PHOSPHATE	1,000-4,999	POUNDS

3 WAREHOUSE SPECIALISTS INC

	5915 N MARINE DR	
BISPHENOL A POLYCARBONATE	10,000-49,999	POUNDS
SODIUM CHLORIDE	500,000-749,999	POUNDS
STYRENE-BUTADIENE POLYMER	100,000-249,999	POUNDS
TITANIUM DIOXIDE	750,000-999,999	POUNDS
SODIUM FORMATE	10,000-49,999	POUNDS
NONE LISTED ON MSDS	1,000-4,999	POUNDS
FIBER GLASS	5,000-9,999	POUNDS

4 PORTLAND CITY OF

	3600 N HAYDEN ISLAND DR	
SODIUM BISULFITE	1,000-4,999	CUBIC FEET

5 ENDERS & ASSOCIATES INC

	2535 N HAYDEN ISLAND DR BLDG C	
SODIUM BICARBONATE	1,000-4,999	GALLONS
POLYURETHANE	1,000-4,999	POUNDS

6 TARGET CORPORATION

	1500 N HAYDEN ISLAND DR	
VARIOUS	500-999	GALLONS
VARIOUS	500-999	GALLONS
VARIOUS SOLVENTS	500-999	GALLONS

7 ODOT

	12348 N CENTER AVE	
HYDROTREATED HEAVY NAPHTHENIC DISTILLATE	500-999	POUNDS

8 COLUMBIA CROSSINGS LLC

	1940 N JANTZEN AVE	
CALCIUM CHLORIDE	1,000-4,999	GALLONS

9 DIVERSIFIED MARINE INC

	1801 N MARINE DR	
OXIRANE, 2,2-4-BYTYLIDENE BISPHENYLENE OXY	500-999	GALLONS

10 EXPEDITORS INTERNATIONAL OF WA INC

	2530 N MARINE DR BLDG C	
BENZALDEHYDE	1,000-4,999	GALLONS
OCTANOL	1,000-4,999	GALLONS
HEXANAL	500-999	POUNDS
DECANAL	1,000-4,999	POUNDS
2-BENZYLIDENEHEPTANAL	1,000-4,999	POUNDS
BENZALDEHYDE	1,000-4,999	GALLONS
BENZYL BENZOATE	1,000-4,999	POUNDS

11 BULK TRANSPORTATION

	11645 N FORCE AVE	
ETHANOLAMINE (AMINE COMPOUND)	100,000-249,999	POUNDS
MONOETHANOLAMINE	10,000-49,999	POUNDS
MONOETHANOLAMINE	10,000-49,999	GALLONS
ARSENIC ACID	10,000-49,999	GALLONS
DIDECYL-DIMETHYL-AMMONIUM CARBONATE	100,000-249,999	POUNDS

COPPER AMMONIUM CARBONATE	10,000-49,999	GALLONS
AMMONIUM HYDROXIDE	100,000-249,999	GALLONS
COPPER ETHANOLAMINE COMPLEX	10,000-49,999	GALLONS
COPPER (II) CHLORIDE	10,000-49,999	POUNDS

12 HERON LAKES GOLF COURSE

	3500 N VICTORY BLVD	
MONOAMMONIUM PHOSPHATE	1,000-4,999	POUNDS
POTASSIUM SULFATE	5,000-9,999	GALLONS

13 PACIFIC PAPER TUBE INC

	8611 N COLUMBIA BLVD	
5-CHLORO-2-METHYL-4-ISOTHIAZOLIN-3-ONE	1,000-4,999	POUNDS

14 DITCHWITCH NORTHWEST

	7909 N UPLAND DR	
LUBRICATING OILS USED	1,000-4,999	GALLONS
BENTONITE CLAY	5,000-9,999	GALLONS

15 WILLIAMS FORM ENGINEERING

	7601 N COLUMBIA BLVD	
PORTLAND CEMENT	10,000-49,999	GALLONS
PORTLAND CEMENT	10,000-49,999	GALLONS
NONE LISTED ON MSDS	500-999	POUNDS

16	REUSABLE CONTAINER COMPANY LLC	7543 N UPLAND DR	
	SODIUM HYPOCHLORITE	500-999	POUNDS
	SODIUM HYDROXIDE	500-999	POUNDS
17	FLEETWASH INC	5430 COLUMBIA CT	
	SODIUM TRI POLY PHOSPHATE	5,000-9,999	GALLONS
	PHOSPHORIC ACID	1,000-4,999	GALLONS
18	MULTNOMAH CO-VECTOR CONT	5235 N COLUMBIA BLVD	
	S-METHOPRENE	10,000-49,999	GALLONS
	SUMITHRIN	500-999	GALLONS
	BACILLUS THURENGENSIS ISRAELENIS	10,000-49,999	GALLONS
	BACILLUS THURENGENSIS ISRAELENIS	1,000-4,999	GALLONS
	BACILLUS SPHAERICUS SEROTYP H5A5B	10,000-49,999	GALLONS
	SPINOSAD	5,000-9,999	GALLONS
19	DARLING INGREDIENTS INC	9901 HURST AVE	
	CALCIUM HYDROXIDE	10,000-49,999	POUNDS
20	AIRGAS USA LLC	3591 N COLUMBIA BLVD	
	SULFUR HEXAFLUORIDE	5,000-9,999	POUNDS
	PROPYLENE	10,000-49,999	POUNDS
21	PELLETROX INC	2601 N NEWARK ST	
	SURFACTANT	5,000-9,999	GALLONS
	SURFACTANT	5,000-9,999	GALLONS
	MAGNESIUM CHLORIDE	10,000-49,999	POUNDS
	ASPHALT	100,000-249,999	POUNDS
	NONE LISTED ON MSDS	500-999	POUNDS
	LIGNOSULFONIC ACID CALCIUM SALT	50,000-99,999	POUNDS
	FATTY AMINE DERIVATIVE	1,000-4,999	GALLONS
	ETHANOL	5,000-9,999	POUNDS
	ALIPHATIC CARBOXYLIC ACID	500-999	GALLONS
	AMIDO-AMINE COMPLEX	500-999	POUNDS
	TALL OIL FATTY ACID DERIVATIVES	1,000-4,999	POUNDS
	LIGNOSULFONIC ACID MAGNESIUM SALT	100,000-249,999	GALLONS
	PROPRIETARY	5,000-9,999	POUNDS
	ASPHALT	5,000-9,999	POUNDS
22	FERGUSON	9129 N TYNDALL	
	CALCIUM SALTS-CEMENT	10,000-49,999	GALLONS
23	TRILLIUM LUMBER CO	9089 N DENVER AVE	
	ISOALKANES	1,000-4,999	GALLONS
24	COAST CRANE CO	1601 NE COLUMBIA BLVD	
	LUBRICATING OIL BASE STOCKS	500-999	POUNDS
25	ODOT	1100 N COLUMBIA BLVD	

	MAGNESIUM CHLORIDE HEXAHYDRATE	10,000-49,999	POUNDS
26	PACIFIC MODULAR INC	6190 SW ARCTIC DR	
	PROPRIETARY	500-999	POUNDS
27	BRIDGETOWN CORES INC	900 N COLUMBIA BLVD	
	QUARTZ	10,000-49,999	GALLONS
	ZIRCON	5,000-9,999	POUNDS
	IRON OXIDE	10,000-49,999	POUNDS
	AMMONIA HYDROXIDE	1,000-4,999	POUNDS