

Facility Name: Well No. 7, City of Rhinelander		System Type (Check One): <input checked="" type="checkbox"/> Municipal <span style="float:right;"><input type="checkbox"/> Other than Municipal</span> <input type="checkbox"/> Nontransient Noncommunity <span style="float:right;"><input type="checkbox"/> Transient Noncommunity</span>	
Facility I.D. Number: WK 851	Total Number of Wells: 1	Review Area: <input type="checkbox"/> 1,200 ft radius <span style="float:right;"><input type="checkbox"/> _____ ft CFR</span> <input type="checkbox"/> 1/2 mile radius <span style="float:right;"><input type="checkbox"/> 200 ft radius</span> Other _____	

Parts I and II of this form are authorized under ss. NR 809.12(2)(b), 809.21(3), and 809.25(5), Wis. Adm. Code, which pertain to sampling for drinking water contaminants. Completion of parts I and II of this form is required to apply for or extend monitoring waivers. Failure to complete this form upon request by the Department of Natural Resources may invalidate existing waivers or make the water system ineligible for new waivers and increase the number of samples required. Personally identifiable information requested on this form is likely to be used for purposes other than that for which it is originally being collected. DNR plans to make the information provided on this form available electronically on the Internet.

**Instructions:**

1. Look at a map of your water supply system and identify the review area of each active well in your system.
2. Indicate how many of each potential contaminant sources listed below are present within the review area of each well. Example: If 3 gas service stations are located within the review area of well No. 1, enter 3 in the row for "gas service station" under the column for well No. 1. If there are no potential contamination sources within the review area of a particular well, place an "x" in the row for "NONE" listed directly under POTENTIAL CONTAMINANT SOURCE.
3. If a map was provided with this form, indicate the location of all potential contaminant sources within the review area of each well by placing a circle with cross-hairs on the location and labeling it with the appropriate map code listed below. Example: Place a circled cross-hair "+" and contaminant code "CSS" on the map at the location of each gas service station. The number of "CSS's" on the map should match the number of gas service stations indicated on this form.

**PART I: POTENTIAL CONTAMINANT SOURCES**

		Well No. <u>7</u>	Well No. ____	Well No. ____	Well No. ____	Well No. ____
Unique Well I.D. Number --->						
CODE	POTENTIAL CONTAMINANT SOURCE					
	NONE					
<b>AGRICULTURE</b>						
AFP	Agricultural farming					
AFA	Animal feedlot <sup>5</sup>					
AIA	Irrigation system					
AMS	Manure storage					
<b>BULK STORAGE/MATERIAL STOCKPILING</b>						
BFS	Fertilizer storage / mixing (e.g. feed mill, ag. co-op) <sup>3</sup>					
BGS	Grain storage site <sup>3</sup>					
BPS	Pesticide storage/ mixing /loading (eg feed mill, ag co-op) <sup>3</sup>					
BFT	Petroleum storage (only include tanks 500 gal or more) <sup>2</sup>					
BCT	Chemical storage (only include tanks 500 gal or more) <sup>1</sup>					
BSS	Road salt storage (only include bulk storage sites)					
<b>COMMERCIAL</b>						
CAI	Airport	1				
CBS	Auto body shop					
CBY	Boat yard					
CCW	Car wash (only include those in unsewered area)					
CCE	Cemetery					
CDC	Dry cleaning <sup>2</sup>					
CSS	Gas service station <sup>2</sup>					
CLD	Laundromat (only include those in unsewered area)					

	COMMERCIAL (cont.)	Well No. 7				
CMW	Machine / metal working shop	1				
CVR	Motor vehicle repair shop					
CPS	Paint shop					
CPH	Photo processing (not retail stores, only include actual processing facilities)					
CMP	Plating facility (jewelry/metal)					
CPR	Printing					
CRY	Rail yard					
CRT	Railroad track <sup>2</sup>	1				
CSY	Scrap / junkyard					
CSP	Seed production plant <sup>3</sup>					
	<b>GENERAL</b>					
GFA	Fuel storage tank - above ground (non-service station) <sup>2</sup>					
GFB	Fuel storage tank - underground (non-service station) <sup>2</sup>					
GSL	Sewer line (municipal) <sup>5</sup>	3				
GSN	Sewer line (non-municipal) <sup>5</sup>					
GST	Sewage tank (holding tank, septic tank, sumps) <sup>5</sup>	3				
GSA	Sewage absorption area (drainfield, mound, dry well) <sup>5</sup>					
	<b>INDUSTRIAL</b>					
IAS	Asphalt plant					
ICM	Chemical production (only include large industrial facilities)					
IEE	Electrical and electronic products manufacturing	1				
IES	Electroplating / metal finishing facility <sup>7</sup>					
IFM	Furniture or wood manufacturing / refinishing / stripping					
IFW	Foundry / smelting plant <sup>7</sup>					
IGS	Gravel and sand pits					
IMQ	Mining Operation / mine waste					
IPM	Paper mill <sup>6</sup>					
IPP	Pipeline (petroleum or chemical)					
IPC	Plastics manufacturer / molder <sup>4</sup>	1				
ISQ	Stone quarries					
ITP	Textile / polyester manufacturer <sup>4</sup>					
IWT	Wood preserving facility <sup>2,3</sup>					
	<b>MISCELLANEOUS SOURCES &amp; CONDUITS</b>					
MFT	Fire training facility					
MGC	Golf course					
MGP	Manufactured gas plant / gasification plant <sup>3,7</sup>					



	MISCELLANEOUS SOURCES & CONDUITS (cont.)	Well No. 7				
MLA	Laboratory (college, medical, school, private, etc.)	1				
MMP	Medical installation (e.g. hospital)					
MMI	Military installation <sup>1</sup>					
GWA	Water well (active production)	3				
GWI	Water well (unused or improperly abandoned) <sup>3</sup>					
MKF	Karst feature / fractured bedrock					
MOT	Other (specify) _____					
<b>WASTE MANAGEMENT</b>						
WRP	ERRP Site <sup>1</sup>					
WHS	Hazardous waste generator (SARA Title III) / RCRA authority clean-ups <sup>1</sup>					
WIN	Incinerator (municipal)					
WDR	Class V injection well <sup>3</sup>					
WLA	Landfill / solid waste disposal <sup>1</sup>					
WLS	Leaking underground storage tank (LUST site) <sup>2</sup>					
WRF	Recycling facility					
WSS	Sludge spreading					
WTS	Solid waste transfer station					
WSW	Storm water retention pond	1				
WUC	Superfund site <sup>1</sup>					
WWP	Wastewater treatment plant					
WWO	Wastewater discharge to surface water					
WWS	Wastewater discharge to groundwater					
WSI	Wastewater spray irrigation					
WWL	Wastewater lagoon					

- 1 Affects all types of waiver      2 Affects VOC waiver      3 Affects SOC waiver      7 Affects cyanide waiver  
4 Affects industrial chemical waiver      5 Affects microbial waiver      6 Affect Dioxin waiver

### PART II: ASBESTOS AND COAL TAR (BENZO(A)PYRENE)


1. Is any part of your water distribution system constructed of materials containing asbestos fibers?      \_\_ Yes      X No  
(Example: Asbestos-cement pipe)  
2. Is any part of your water distribution system sealed with a product containing coal tar or Benzo(a)pyrene?      \_\_ Yes      X No  
(Example: Pipe or reservoir lining)

### PART III: INTEREST IN WELLHEAD PROTECTION (WHP)

1. Does your community have a completed WHP plan?      \_\_ Yes - all wells      X Yes - one or more wells      \_\_ No  
2. Are you in the process of developing a WHP?      \_\_ Yes - all wells      X Yes - one or more wells      \_\_ No  
3. Would you like information about wellhead protection planning?      \_\_ Yes      X No  
4. Would you like assistance in developing a plan?      \_\_ Yes      X No

### INVENTORY CERTIFICATION

I certify that the answers provided in this inventory are, to best of my knowledge, truthful and accurate.

Printed Name of Respondent Timothy S. Kingman, P.E.	Telephone Number (608) 273-3350	Date of completion May 15, 2008
Signature 	Title Project Engineer	

# POTENTIAL CONTAMINANT SOURCES

Rev 06/2003

CONT CODE	CONTAMINANT SOURCE	DESCRIPTION	SPECIFIC CONTAMINANTS
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## AGRICULTURE

AFP	Agricultural farming	Active farming operations	Pesticides, fertilizers
AFA	Animal feedlot		Livestock sewage wastes, nitrates, phosphates, chloride, chemical sprays and dips for controlling insect, bacterial, viral, and fungal pests, coliform bacteria, viruses
AIA	Irrigation system	Agricultural irrigation	Pesticides, fertilizers
AMS	Manure storage	Lined and unlined manure storage facilities	Livestock sewage wastes, nitrates, phosphates, chloride, chemical sprays and dips for controlling insect, bacterial, viral, and fungal pests, coliform bacteria, viruses

## BULK STORAGE / MATERIAL STOCKPILING

BFS	Fertilizer storage/mixing	Feed mill, agricultural co-op	Nitrates
BGS	Grain storage site		Fungicides
BPS	Pesticide storage / mixing / loading	Feed mill, agricultural co-op	Herbicides, insecticides, rodenticides, fungicides, avicides
BFT	Petroleum storage	500 gallon or more	Specific to petroleum product stored at site
BCT	Chemical storage	500 gallon or more	Specific to chemical product stored at site
BSS	Road salt storage	Bulk storage sites	Sodium chloride, calcium chloride, waste oil

## COMMERCIAL

CAI	Airport		Jet fuels, deicers, batteries, diesel fuel, chlorinated solvents, automobile wastes, heating oil, building wastes
CBS	Auto body shop		Paints, solvents
CBY	Boat yard		Diesel fuels, batteries, oils, septage from boat waste disposal areas, wood preservatives, paints, waxes, varnishes, automotive wastes
CCW	Car wash	Car washes in unsewered areas	Soaps, detergents, waxes, miscellaneous chemicals
CCE	Cemetery		Leachate (formaldehyde), lawn and maintenance chemicals
CDC	Dry cleaning		Solvents (tetrachloroethylene, petroleum solvents, freon), spotting chemicals (trichloroethane, ammonia, rust removers)
CSS	Gas service station		Gasoline, oils, solvents, miscellaneous wastes
CLD	Laundromat	Laundromats in unsewered areas	Detergents, bleaches, fabric dyes
CMW	Machine / metal working shop		Solvents, metals, organics, sludges, cutting oils, degreasers
CVR	Motor vehicle repair shop		Waste oils, solvents, acids, paints, automotive wastes,
CPS	Paint shop		Paint, paint thinner, solvents
CPH	Photo processing	Only include processing facilities, don't include photo drop off sites	Cyanides, biosludges, silver sludges
CMP	Plating facility	Jewelry and metal plating	Cyanide, heavy metals
CPR	Printing		Solvents, inks, dyes, oils, organics, chemicals
CRY	Rail yard		Spills
CRT	Railroad track		Spills
CSY	Scrap/junkyard		Oil, gasoline, antifreeze, PCB contaminated soils, lead acids batteries
CSP	Seed production plant		Fumigants

## GENERAL

GFA	Fuel storage tank - above ground	Non-service station tanks	Gasoline, diesel fuel, other petroleum products
GFB	Fuel storage tank - underground	Non-service station tanks	Gasoline, diesel fuel, other petroleum products
GSL	Sewer line (municipal)	Municipal sewer lines	Septage, coliform bacteria, viruses, nitrates
GSN	Sewer line (non-municipal)	Non-municipal sewer lines	"



GST	Sewage tank	Holding tanks, septic tanks, sumps	Septage, coliform bacteria, viruses, nitrates, heavy metals, synthetic detergents, cooking and motor oil, bleach, pesticides, paints, paint thinner, photographic chemicals, septic tank cleaner chemicals, chlorides, sulfate, calcium, magnesium, potassium, phosphate
GSA	Sewage absorption area	Drainfields, mounds, dry wells	“

#### INDUSTRIAL

IAS	Asphalt plant		Petroleum derivatives
ICM	Chemical production	Industrial chemical production facilities	Chemicals
IEE	Electrical and electronic products manufacturing		Cyanides, metal sludges, caustics, solvents, oils, acids, alkalis, paints, methylene chloride, tetrachloroethylene, trichloroethane, acetone, toluene, PCBs
IES	Electroplating / metal finishing facility		Acids, alkaline solutions, cyanide, metallic salts, solvents, cyanide, heavy metal contaminated wastewater
IFM	Furniture or wood manufacturing / refinishing / stripping		Paints, solvents (toluene, methylene chloride), degreasing sludges
IFW	Foundry / smelting plant		Cyanides, sulfides
IGS	Gravel and sand pits		Spills, miscellaneous chemicals, bacteria
IMQ	Mining / mine waste		Cyanide, sulfides, metals, acids drainage
IPM	Paper mill		Metals, acids, minerals, sulfides, chemicals, sludges, chlorine, hypochlorite, chlorine dioxide, hydrogen peroxide
IPP	Pipeline (petro./chem.)		Petroleum, chemicals
IPC	Plastics manufacturer / molder		Solvents, oils, organics and inorganics, paint wastes, cyanides, acids, alkalis, sludges, esters, surfactants, glycols, phenols, formaldehyde, peroxides
ISQ	Stone quarries		Spills, miscellaneous chemicals, potential conduit, bacteria
ITP	Textile / polyester manufacturer		Chemicals
IWT	Wood preserving facility		Treated wood residue, preservatives (pentachlorophenol, chromate, copper arsenate,), tanner gas, paint sludges, solvents, creosote, coating wastes

#### MISCELLANEOUS SOURCES AND CONDUITS

MFT	Fire training facility		Chemicals
MGC	Golf course		Fertilizers, herbicides, pesticides for controlling mosquitoes, ticks, ants, gypsy moths, and other pests., automotive wastes
MGP	Manufactured gas plant / gasification plant		Petroleum VOCs, Benzo(a)pyrene, PAHs, cyanide
MLA	Laboratory (college, medical, school, private, etc.)		Biological wastes, disinfectants, acids, formaldehyde, miscellaneous chemicals
MMP	Medical installation (e.g. Hospital)		X-ray developers and fixers, infectious wastes, radiological wastes, biological wastes, disinfectants, asbestos, beryllium, acids, formaldehyde, miscellaneous chemicals
MMI	Military installation		
GWA	Water well (active production)		Potential conduits for pollutants to enter groundwater
GWI	Water well (unused or improperly abandoned)		Potential conduits for pollutants to enter groundwater
MKF	Karst feature / fractured bedrock	deep bedrock fractures, caves, disappearing streams, springs, or sinkholes	Direct conduits for pollutants to enter groundwater
MOT	Other (specify)		

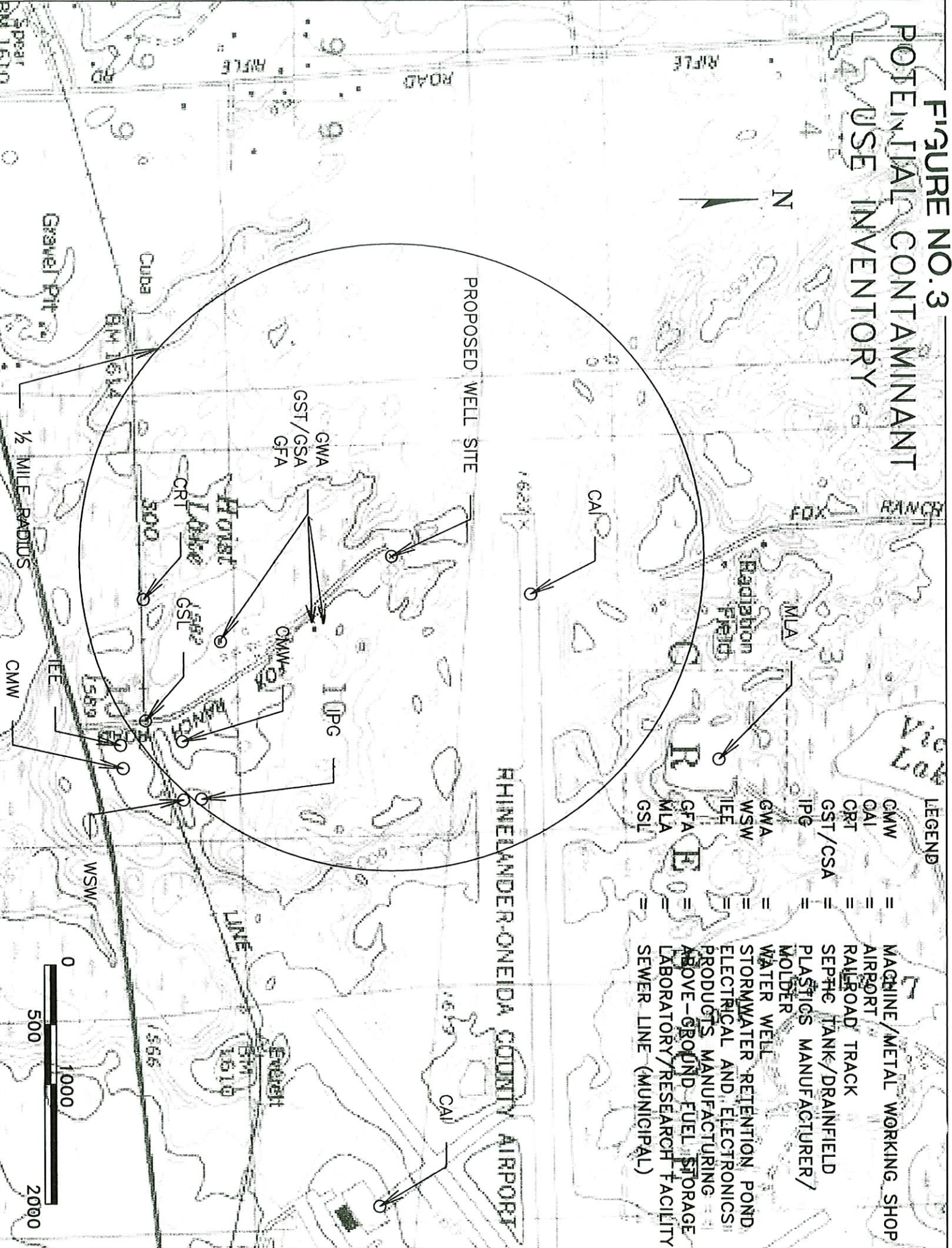
#### WASTE MANAGEMENT

WRP	ERRP site	Sites on the DNR "Emergency and Remedial Response" list	Spills
WHS	Hazardous waste generator (SARA Title III) / RCRA authority clean-ups	Any facility listed on the SARA Title III list thought to pose threat to the well / RCRA clean-ups	Hazardous waste
WIN	Incinerator (municipal)		Metals, combustion by-products
WDR	Class V injection well	Any well, drilled or dug hole, used to inject fluids into the subsoil	Chlorides, pathogens, petroleum products, pesticides

WLA	Landfill	Solid and hazardous waste sites listed in the DNR "Registry of Waste Disposal Sites in Wisconsin"	Leachate
WLS	Leaking underground storage tank (LUST)	LUST Sites included in the DNR "Leaking Underground Storage Tank List"	Gasoline, diesel fuel, other petroleum products
WRF	Recycling facility		Petroleum products, chemicals
WSS	Sludge spreading	Municipal wastewater sludge, paper mill sludge	Viruses, coliform bacteria, heavy metals, dioxins
WTS	Solid waste transfer station		Miscellaneous chemicals
WSW	Storm water retention pond		Metals, petroleum products
WUC	Superfund site	Sites listed in the DNR "Superfund Sites in Wisconsin"	Miscellaneous contaminants
WWP	Wastewater treatment plant		Coliform bacteria, viruses
WWO	Wastewater discharge to surface water	Surface water outfall	Coliform bacteria, viruses
WWS	Wastewater discharge to groundwater	Absorption and seepage cells, subsurface systems, etc.	Coliform bacteria, viruses
WSI	Wastewater spray irrigation	Spray irrigation	Coliform bacteria, nitrate, chloride, pathogens, viruses
WWL	Wastewater lagoon	Treatment and/or storage lagoons	Coliform bacteria, viruses



**FIGURE NO. 3  
POTENTIAL CONTAMINANT  
USE INVENTORY**



**LEGEND**

CMW	=	MACHINE/METAL WORKING SHOP
OAI	=	AIRPORT
CRT	=	RAILROAD TRACK
GST/GSA	=	SEPTIC TANK/DRAINFIELD
IPG	=	PLASTICS MANUFACTURER/ MOLDER
GWA	=	WATER WELL
WSW	=	STORMWATER RETENTION POND
IEE	=	ELECTRICAL AND ELECTRONICS PRODUCTS MANUFACTURING
GFA	=	ABOVE-GROUND FUEL STORAGE
MLA	=	LABORATORY/RESEARCH FACILITY
GSL	=	SEWER LINE (MUNICIPAL)

