

1 Mahomet Aquifer Source Matrix

		Suggested draft for discussion		Other	On	IEPA Source		
Type	Potential Source	Subcommittee A classification	Covered by Env Protection Act	Specific IEPA Regulations	SWAP site	Water Protection - Public Wells	Agencies involved in addition to IEPA	Specific Regulations
Point Source Pollution								
<u>Legacy Sites:</u>								
	Pre-law landfills	Potential Source	Yes		Yes	Yes	Local governments	
	Pre-law "dumps"	Potential Source	Yes		Add	Yes	Local governments	
	Closed cleanup sites	Contained Threat	Yes	Yes	Yes	Yes	Site specific	
	Closed military bases	Monitored Threat	Yes	Yes			USAF - Chanute	
	Abandoned wells	Potential Pathway	Yes		Yes	Yes	PRI	
<u>Routinely Monitored Active or Potential Sources:</u>								
	Landfills	Monitored Potential Source	Yes	Yes	Yes	Yes		
	Coal ash impoundments	Assess if any are over the aquifer	Yes	?		Yes	IDNR Mines and Minerals?	
	Underground storage tanks	Potential Source	Yes	Yes	Yes	Yes	Il State Fire Marshall?	
	Wastewater discharges	Monitored Potential Source	Yes	Yes		Yes		
	Waste injection wells	Monitored Potential Source	Yes	Yes		Yes	USEPA	yes?
<u>Sites Monitored to due to Existing Contamination:</u>								
	Enforcement cleanups - haz waste sites	Monitored Threat	Yes	Yes	Yes	Yes	USEPA	yes
	Voluntary cleanups - hazardous waste sites	Monitored Threat	Yes	Yes	Yes	Yes	USEPA	yes
	Natural gas storage wells	Threat	Yes		Added?	Yes	IDNR - Oil and Gas	yes + new
	Coal mine refuse	Needs assessing	Yes	?			IDNR Mines and Minerals	?
<u>Unmonitored Potential Sites:</u>								
<u>Agricultural</u>								
	Agricultural chemical facilities	Potential Source	Yes			Yes		
	Animal feed lots	Potential Source	Yes			Yes	IDOA?	
	Drainage wells	Potential Source	Yes			Yes		
<u>Storage + treatment</u>								
	Material Stockpiles - including salt	Threat	Yes			Yes		
	Above ground storage tanks	Potential Source	Yes			Yes		
	Surface impoundments	Potential Source	Yes	?		Yes		
	Waste piles	Potential Source	Yes	?		Yes		
	Waste tailings	Potential Source	Yes			Yes	IDNR Mines and Minerals	
<u>Other</u>								
	Hazardous waster generators	Potential Source	Yes			Yes		
	Industrial + manufacturing facilities	Potential Source	Yes			Yes		
	Material transfer operations	Potential Source	Yes			Yes		
	Mining and mine drainage	Assess if any are over the aquifer	Yes			Yes	IDNR Mines and Minerals	
	Pipeline breaks	Potential Source	Yes			Yes		
	Transportation spills	Potential Source	Yes			Yes	IDOT, IEMA	
	Urban runoff	Potential Source	?			Yes		
Non-Point Source Pollution								
	Road salt application	Threat	?				IDOT	
	Agricultural fertilizer (+ Fertigation)	Threat	?				IDOA	
	Agricultural Chemicals	Potential Source	?				IDOA	
Natural Contamination								
	Brine up flow from bedrock	Potential Source	No					
	Arsenic	Threat	No				Public Health	

Additional

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