




Figure 1. Changes in Cargill Deicing Technology SPDES permit 1980 to 2004

analyte	EPA drinking water standard max cont. level	Outfall 001		Outfall 001		factor increase over 1980 permit		Outfall 002		Outfall 002		factor increase over 1980 permit	
		mg/L	1980 descriptor	mg/L	2004 descriptor	1980 permit	1980	mg/L	2004 descriptor	1980 permit	1980	mg/L	2004 descriptor
Chloride	250	250	daily max.	40,000	daily max.	160	250	daily max.	10,000	daily aver.	40		
TDS	500	1000	daily max.	80,000	daily max.	80	1000	daily max.	40,000	daily aver.	40		
free cyanide	0.2	0.4	max./aver.	1.1	daily max.	2.8	0.4	max./aver.	0.1	daily aver.	0		
pH	6.5-8.5	6.5-8.5	min & max	no limits			6.5-8.5	min & max	no limits				

	= 2X allowance over EPA drinking water standard
	= egregious increase in permitted discharge compared to 1980 permit
	= factor of permitted increase