

**Table 5
Groundwater Well Summary
Sioux Falls Regional Sanitary Landfill**

Well Name	Installation Date	Monitoring Network and Purpose	Gradient Location	Top of Casing Elevation ¹	Well Depth ²	Screen Length (ft)	Pump Type	Sampling Parameters ³														
								Non-preserved Inorganics	Preserved Inorganics	Total Metals	Dissolved Metals	RCRA App I VOCs	RCRA App II Inorganics	RCRA App II VOCs	RCRA App II SVOCs	RCRA App II Pesticides	RCRA App II PCBs	RCRA App II Herbicides				
MW-11	11/12/1991	State Monitored	Upgradient	1568.75	35.00	10.0	Peristaltic ⁵	X	X	X	X	X										
MW-13R	9/9/1997	State Monitored	Downgradient	1537.37	20.00	15.0	Peristaltic	X	X	X	X	X										
MW-21ox	6/14/1994	State Monitored	Upgradient	1561.23	20.00	10.0	Peristaltic	X	X	X	X	X										
MW-23ox	6/16/1994	State Monitored	Upgradient	1541.56	20.00	10.0	Peristaltic	X	X	X	X	X										
MW-25ox	6/17/1994	State Monitored	Upgradient	1564.25	20.00	10.0	Peristaltic	X	X	X	X	X										
MW-39ox	6/27/1994	State Monitored	Downgradient	1528.50	15.00	10.0	Peristaltic	X	X	X	X	X										
MW-42ox	6/19/1995	State Monitored	Downgradient	1534.09	20.00	10.0	Peristaltic	X	X	X	X	X										
MW-44ox	10/6/1999	State Monitored	Downgradient	1533.09	20.00	15.0	Peristaltic	X	X	X	X	X	X ⁶	X ⁶	X ⁶	X ⁶	X ⁶	X ⁶	X ⁶	X ⁶	X ⁶	X ⁶
MW-45ox	10/6/1999	State Monitored	Downgradient	1535.52	25.00	20.0	Peristaltic	X	X	X	X	X										
MW-47ox	12/16/2002	State Monitored	Downgradient	1547.08	20.00	10.0	Peristaltic	X	X	X	X	X										
MW-48ox	12/16/2002	State Monitored	Downgradient	1561.53	26.00	10.0	Peristaltic	X	X	X	X	X										
MW-53ox	7/27/2005	State Monitored	Downgradient	1530.91	24.50	16.0	Peristaltic	X	X	X	X	X										
MW-54ox	7/24/2006	State Monitored	Downgradient	1525.71	16.00	12.0	Peristaltic	X	X	X	X	X										
MW-56ox	7/8/2008	State Monitored	Downgradient	1527.00	25.00	15.0	Peristaltic	X	X	X	X	X										
MW-57ox	10/9/2011	State Monitored	Downgradient	1551.15	22.33 ⁷	10.0	Peristaltic	X	X	X	X	X										
MW-58Rox ⁸	10/22/2015	State Monitored	Downgradient	1522.71 ⁸	33.00 ⁸	20.0	Peristaltic ⁵	X	X	X	X	X										
MW-59ox ⁹	10/1/2014	State Monitored	Downgradient	1528.22 ⁹	41.00 ⁹	20.0	Peristaltic ⁵	X	X	X	X	X										
MW-60ox ⁹	10/2/2014	State Monitored	Downgradient	1531.67 ⁹	42.05	20.0	Peristaltic ⁵	X	X	X	X	X										
MW-61ox ⁹	10/1/2014	State Monitored	Upgradient	1563.52 ⁹	22.50	10.0	Peristaltic	X	X	X	X	X										
MW-1	10/14/1991	State Water Level Only	Downgradient	1563.54	50.00	10.0	NA															
MW-5	11/7/1991	State ⁴ Water Level Only	Downgradient	1533.71	30.00	10.0	NA															
MW-7R	12/16/1997	State ⁴ Water Level Only	Downgradient	1530.80	25.00	15.0	NA															
MW-17	1/30/1992	State ⁴ Water Level Only	Upgradient	1559.27	19.50	10.0	NA															
MW-46ox	7/12/2001	State Water Level Only	Downgradient	1550.95	30.00	20.0	NA															
P-1S	10/4/1989	State Water Level Only	Downgradient	1553.04	15.00	5.0	NA															
SDGS-28	7/19/1984	State Water Level Only	Downgradient	1562.52	16.50	2.0	NA															
SDGS-45	7/18/1984	State Water Level Only	Downgradient	1547.08	17.50	2.0	NA															
SDGS-57	7/17/1984	State Water Level Only	Downgradient	1546.76	17.00	2.0	NA															
SDGS-68	7/25/1984	State Water Level Only	Downgradient	1554.00	18.00	2.1	NA															
SDGS-77	7/25/1984	State Water Level Only	Downgradient	1545.38	13.50	2.1	NA															
MW-15	1/29/1992	City Water Level Only	Downgradient	1557.15	15.00	10.0	NA															
MW-18R	10/19/2011	City Water Level Only	Downgradient	1551.18	18.00	10.0	NA															
MW-19i	6/29/1994	City Water Level Only	Downgradient	1557.05	16.00	10.0	NA															
MW-43ox	7/19/1995	City Water Level Only	Downgradient	1537.52	25.00	10.0	NA															

¹From 2013 permit renewal (88 Datum) except where noted

²From 2011 annual groundwater monitoring and statistical report field sheets except where noted

³Sampled during the spring and fall except where noted

⁴MW-5, MW-7R, and MW-17 replaced with MW-59ox, MW-60ox, and MW-61ox. Only water levels taken at wells MW-5, MW-7R, and MW-17.

⁵Peristaltic pump unless water level is too low, then a bladder pump should be used

⁶Sampled during the spring only

⁷From 2011 annual groundwater monitoring and statistical report field geologist log

⁸Installed October 22, 2015; TOC elevation estimated from previous well; total depth from log of monitoring well construction

⁹Installed October 2, 2014; TOC elevation from City survey; total depth from log of monitoring well construction

NA - not applicable