

The table below lists the drills on ME1 projects that had returns and indicates whether or not there is an associated ME2 drill. The corresponding risk assessment reports state that there was an inadvertent return on ME1 and describes the nature of the return. The risk assessment reports speak to the inadvertent return likelihood, potential impacts and severity, and mitigation measures.

ME1 Drill #	ME1 Drill Size	ME2 Drill	ME2 Drawing	Drill Name	Township	County	Latitude	Longitude
HDD 4	8"	No			Upper Frankford	Cumberland	40.2451	-77.3619
HDD 5	8"	No			Upper Frankford	Cumberland	40.2451	-77.3497
HDD 10	8"	Yes	PA-LE-0117.0000	Creek & T307	Heidelberg	Lebanon	40.2854	-76.2394
HDD 13	8"	No			West Cocalico	Lancaster	40.2827	-76.1580
HDD 14	8"	No			West Cocalico	Lancaster	40.2838	-76.1112
HDD 22	8"	Yes	PA-CH-0088.0000	Pennsylvania Turnpike 76	Upper Uwchlan	Chester	40.0896	-75.7300
HDD 23	8"	Yes	PA-CH-0111.0000	Park Road	Upper Uwchlan	Chester	40.0751	-75.7024
HDD 23	8"	Yes	PA-CH-0124.0000		Upper Uwchlan	Chester	40.089910	-75.730608
HDD 24	8"	No			Edgmont	Delaware	39.9406	-75.4943
	12"	Yes	PA-WA-0103.0000	Linden Creek Rd	North Strabane	Washington	40.2354	-80.1373
	12"	Yes	PA-AL-0033.0000	Hayden Blvd	Elizabeth	Allegheny	40.2210	-79.8480

The following is presentation of individual inadvertent return risk assessments for each area planned for HDD with either a single 20-inch pipeline (Houston to Delmont section) or both the 20-inch and 16-inch pipeline. Final HDD drawings are found within Attachment 7 of the PADEP Joint Application for Permit