

**PACIFIC GAS AND ELECTRIC COMPANY
Gas Operations Data Response**

PG&E Data Request Index No.:	12859		
Request Date:	02-12-2019	Date Sent:	02-13-2019
Requesting Party:	Government Relations		
External Requester:	Roger Evans	PG&E Contact:	Michael Lang

QUESTION 12859.01: Roger from NTSB has requested the material specification of the 2" and 4" gas lines affected in the Geary St dig in. I told him they were polyethylene, but he wanted to know the wall thickness and full material spec.

RESPONSE 12859.01: The pipe is made of medium density polyethylene and was manufactured in accordance with ASTM D2513 (Standard Specification for Polyethylene (PE) Gas Pressure Pipe, Tubing, and Fittings). The 2" IPS (Iron Pipe Size) pipe has an SDR (Standard Dimension Ratio) of 11. The 4" IPS pipe has an SDR of either 11.5 or 13.5.

If the NSTB can provide photographs of the print lines, the information contained in the print line could also determine the manufacturer, manufacturing date, and specific SDR for the 4" pipe. Based on the manufacturing date, the applicable edition of ASTM D2513 could also be determined.