

Concrete Issue Answers to Questions on DCP Complaint Form:

Steven Vera, 28 Laurel Drive, Willington, CT 06279

1. Home's foundation has been inspected by structural engineer and found to be failing due to "Alkali-Silica-Reaction (ASR). ASR is a chemical reaction between alkali aggregate and silica in the concrete mix. It typically causes this type of distress to be visible 15 to 20 years after the foundation is poured. It is very likely the ASR will continue to deteriorate the concrete and the basement walls will begin to bulge inward until they structurally fail. There is no way to arrest the process and there is no way to repair the existing damage. The basement walls at this time are beginning to lose their structural integrity and corrective action is necessary. I do not recommend testing to determine if ASR is in fact causing the deterioration. Testing is very expensive and will not indicate a different solution to the problem. It is my recommendation that the basement walls be replaced."
2. Problem is in the foundation walls.
3. Problem was first identified by homeowners in late July, 2015. Confirmed by WILLIAM F. NEAL, PE, CONSULTING ENGINEER - RESIDENTIAL ENGINEERING SERVICES, LLC during an inspection on 8/27/15.
4. No repairs have been undertaken at this time.
5. No testing has been done at this time. Opinion received from individual identified above. Report will be attached.