

|                                                                   |         |          |                                                                                        |  |                                                                                                                                                            |  |
|-------------------------------------------------------------------|---------|----------|----------------------------------------------------------------------------------------|--|------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| 1. Name and Address of Reporting Person*<br><u>GREENE KEVIN R</u> |         |          | 2. Issuer Name and Ticker or Trading Symbol<br><u>PARK OHIO HOLDINGS CORP [ PKOH ]</u> |  | 5. Relationship of Reporting Person(s) to Issuer<br>(Check all applicable)<br><br>X Director 10% Owner<br>Officer (give title below) Other (specify below) |  |
| (Last)                                                            | (First) | (Middle) | 3. Date of Earliest Transaction (Month/Day/Year)<br>05/27/2010                         |  |                                                                                                                                                            |  |
| (Street)<br>6065 PARKLAND BLVD.                                   |         |          | 4. If Amendment, Date of Original Filed (Month/Day/Year)                               |  | 6. Individual or Joint/Group Filing (Check Applicable Line)<br><br>X Form filed by One Reporting Person<br>Form filed by More than One Reporting Person    |  |
| (City)                                                            | (State) | (Zip)    |                                                                                        |  |                                                                                                                                                            |  |
| CLEVELAND                                                         | OH      | 44124    |                                                                                        |  |                                                                                                                                                            |  |

| Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned |                                         |                                                       |                                |   |                                                                   |            |       |                                                                                               |                                                          |                                                       |
|----------------------------------------------------------------------------------|-----------------------------------------|-------------------------------------------------------|--------------------------------|---|-------------------------------------------------------------------|------------|-------|-----------------------------------------------------------------------------------------------|----------------------------------------------------------|-------------------------------------------------------|
| 1. Title of Security (Instr. 3)                                                  | 2. Transaction Date<br>(Month/Day/Year) | 2A. Deemed Execution Date, if any<br>(Month/Day/Year) | 3. Transaction Code (Instr. 8) |   | 4. Securities Acquired (A) or Disposed Of (D) (Instr. 3, 4 and 5) |            |       | 5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4) | 6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4) | 7. Nature of Indirect Beneficial Ownership (Instr. 4) |
|                                                                                  |                                         |                                                       | Code                           | V | Amount                                                            | (A) or (D) | Price |                                                                                               |                                                          |                                                       |
| Common Stock                                                                     | 05/27/2010                              |                                                       | A                              |   | 2,500                                                             | A          | \$0   | 21,000                                                                                        | D                                                        |                                                       |

| Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned<br>(e.g., puts, calls, warrants, options, convertible securities) |                                                        |                                      |                                                    |                                |   |                                                                                        |     |                                                          |                 |                                                                                   |                            |                                            |                                                                                                    |                                                           |                                                        |
|-------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|--------------------------------------|----------------------------------------------------|--------------------------------|---|----------------------------------------------------------------------------------------|-----|----------------------------------------------------------|-----------------|-----------------------------------------------------------------------------------|----------------------------|--------------------------------------------|----------------------------------------------------------------------------------------------------|-----------------------------------------------------------|--------------------------------------------------------|
| 1. Title of Derivative Security (Instr. 3)                                                                                                      | 2. Conversion or Exercise Price of Derivative Security | 3. Transaction Date (Month/Day/Year) | 3A. Deemed Execution Date, if any (Month/Day/Year) | 4. Transaction Code (Instr. 8) |   | 5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5) |     | 6. Date Exercisable and Expiration Date (Month/Day/Year) |                 | 7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4) |                            | 8. Price of Derivative Security (Instr. 5) | 9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4) | 10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4) | 11. Nature of Indirect Beneficial Ownership (Instr. 4) |
|                                                                                                                                                 |                                                        |                                      |                                                    | Code                           | V | (A)                                                                                    | (D) | Date Exercisable                                         | Expiration Date | Title                                                                             | Amount or Number of Shares |                                            |                                                                                                    |                                                           |                                                        |
|                                                                                                                                                 |                                                        |                                      |                                                    |                                |   |                                                                                        |     |                                                          |                 |                                                                                   |                            |                                            |                                                                                                    |                                                           |                                                        |

Explanation of Responses:

Linda Kold, Attorney-In-Fact for  
Kevin R. Greene

06/01/2010

\*\* Signature of Reporting Person      Date

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

\* If the form is filed by more than one reporting person, see Instruction 4 (b)(v).

\*\* Intentional misstatements or omissions of facts constitute Federal Criminal Violations See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure.

Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB Number.