| NRC FORM 591M PART 1   |                   |                    |                                  | U.S NUCLEAR REGULATORY COMMISSION |                    |               |  |  |
|--|-------------------|--------------------|----------------------------------|-----------------------------------|--------------------|---------------|--|--|
| (06-2010)<br>10 CER 2 201  |                   |                    |                                  |                                   |                    |               |  |  |
| SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION   |                   |                    |                                  |                                   |                    |               |  |  |
|  |                   |                    |                                  |                                   |                    |               |  |  |
| 1. LICENSEE/LOCATION INSPECTED:<br>Continental Cement Company, LLC.<br>10107 Highway 79 South<br>Hannibal, MO 63401  |                   |                    | 2. NRC/REGIONAL OFFICE           |                                   |                    |               |  |  |
|  |                   |                    | US Nuclear Regulatory Commission |                                   |                    |               |  |  |
|  |                   |                    | Region III                       |                                   |                    |               |  |  |
|  |                   |                    | Lisle, IL 60532                  |                                   |                    |               |  |  |
| REPORT NUMBER(S) 2010-001  |                   |                    |                                  |                                   |                    |               |  |  |
| 3. DOCKET NUMBER(S)  | 1                 | 4. LICENSEE NUMBER | (S)                              |                                   | 5. DATE(S) OF INSI | PECTION       |  |  |
| 030-18167 24-  |                   | 24-20263-01        | 24-20263-01                      |                                   | 10/18/2010         |               |  |  |
| LICENSEE:  |                   |                    |                                  |                                   |                    |               |  |  |
| The inspection was an examination of the activities conducted under your license as they relate to radiation safety and to compliance with the Nuclear Regulatory Commission (NRC) rules and regulations and the conditions of your license. The inspection consisted of selective examinations of procedures and representative records, interviews with personnel, and observations by the inspector. The inspection findings are as follows:                  |                   |                    |                                  |                                   |                    |               |  |  |
| 1. Based on the inspection findings, no violations were identified.  |                   |                    |                                  |                                   |                    |               |  |  |
| 2. Previous vic  | lation(s) closed. |                    |                                  |                                   |                    |               |  |  |
| 3. The violation(s), specifically described to you by the inspector as non-cited violations, are not being cited because they were self-identified, non-repetitive, and corrective action was or is being taken, and the remaining criteria in the NRC Enforcement Policy, NUREG-1600, to everyise discretion, were satisfied.   |                   |                    |                                  |                                   |                    |               |  |  |
| Non-cited violation/s) were discussed involving the following requirement(s):  |                   |                    |                                  |                                   |                    |               |  |  |
|  |                   |                    |                                  |                                   |                    |               |  |  |
|  |                   |                    |                                  |                                   |                    |               |  |  |
|  |                   |                    |                                  |                                   |                    |               |  |  |
| A During this increation addring of your pativilian on described below and/or attached wars in violation of NPC  |                   |                    |                                  |                                   |                    |               |  |  |
| 4. During this inspection certain of your activities, as described below and/or attached, were in violation of NRC<br>requirements and are being cited. This form is a NOTICE OF VIOLATION, which may be subject to posting in accordance  |                   |                    |                                  |                                   |                    |               |  |  |
| with to CPP  | X 19.11           |                    |                                  |                                   |                    |               |  |  |
|  |                   |                    |                                  |                                   |                    |               |  |  |
|  |                   |                    |                                  |                                   |                    |               |  |  |
| Statement of Corrective Actions  |                   |                    |                                  |                                   |                    |               |  |  |
| I hereby state that, within 30 days, the actions described by me to the inspector will be taken to correct the violations identified. This statement of corrective actions is made in accordance with the requirements of 10 CFR 2.201 (corrective steps already taken, corrective steps which will be taken, date when full compliance will be achieved). I understand that no further written response to NRC will be required, unless specifically requested. |                   |                    |                                  |                                   |                    |               |  |  |
| Title  |                   | Printed Name       |                                  | Sign                              | ature              | Date          |  |  |
| LICENSEE'S   |                   |                    |                                  |                                   |                    |               |  |  |
| REPRESENTATIVE   |                   |                    |                                  |                                   |                    |               |  |  |
| NRC INSPECTOR  | E. L. Kulzer      |                    |                                  | Ehknl                             | m                  | 10/25/2010    |  |  |
| Branch Chief   | T. E. Bloomer     |                    |                                  | Fellow                            | )<br>ne            | a   z   z   D |  |  |

| NRC FORM 591 M PART 3<br>(06-2010)  |             |                                     | U.S. NUCLEAR REGULATORY COMMISSION  |                     |  |  |  |  |  |
|---|-------------|-------------------------------------|---|---------------------|--|--|--|--|--|
| 10 CFR 2.201  |             |                                     |   |                     |  |  |  |  |  |
| SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION  |             |                                     |   |                     |  |  |  |  |  |
| 1. LICENSEE   |             |                                     | 2. NRC/REGIONAL OFFICE  |                     |  |  |  |  |  |
| Continental Cement Company, LLC<br>10107 Highway 79 South<br>Hannibal, MO 63401   |             |                                     | US Nuclear Regulatory Commission<br>Region III<br>2443 Warrenville Rd,<br>Lisle, IL 60532 |                     |  |  |  |  |  |
| REPORT NUMBER(S) 2010-001   |             |                                     |   |                     |  |  |  |  |  |
| 030-18167   |             | 6. 24-20263-01                      |   | 10/18/2010          |  |  |  |  |  |
| 7. INSPECTION PROCEDURES<br>87124   |             | 8. INSPECTION FOCUS AREAS<br>0.1-07 |   | _                   |  |  |  |  |  |
|   |             | SUPPLEMENT                          | AL INSPECTION INFORMATION   |                     |  |  |  |  |  |
| 1.PROGRAM   | 2. PRIORITY | 3. LICENSEE COI                     | NTACT   | 4. TELEPHONE NUMBER |  |  |  |  |  |
| 03120   | 5           | William Sherman                     |   | 573-221-1740        |  |  |  |  |  |
| PROGRAM SCOPE The licensee is a cement manufacturer authorized to use cesium -137 in sealed sources with activities   |             |                                     |   |                     |  |  |  |  |  |
| up to 120 millicuries for belt scale and density measurements and cobalt-60 as sealed sources with activities up to 3 millicuries for belt scale measurements, with one authorized location of use as specified on the license. The licensee currently possess a total of 7 gauges and one Hewlett-Packard gas chromatograph. The licensee has one RA-226 gauge in storage for over 60 years which they need to add to their license. At the time of this inspection one kiln was shut down and the licensee must notify NRC Licensing Branch of their intentions as to whether the cesium-137 gauge will be either stored or disposed of. A total of three maintenance staff including the RSO perform monthly shutter testing, cleaning, and inventory of the gauges. Two survey meters are available and are calibrated annually. Any other maintenance or service is conducted by the manufacturer. |             |                                     |   |                     |  |  |  |  |  |
| Performance Observations  |             |                                     |   |                     |  |  |  |  |  |
| During the inspection, the licensee's RSO demonstrated (1) survey meter use and calibration; (2) tag<br>out procedures; (3) signage; (4) security of licensed material; Gauge maintenance; and (6) staff<br>training. Because these are fixed gauges, no dosimetry was required.  |             |                                     |   |                     |  |  |  |  |  |
|   |             |                                     |   |                     |  |  |  |  |  |
|   |             |                                     |   |                     |  |  |  |  |  |
|   |             |                                     |   |                     |  |  |  |  |  |
|   |             |                                     |   |                     |  |  |  |  |  |