

## February 2019 LETTING PROCEDURE I SPECIFIC GRAVITIES

| Producer                       | CMS ID<br>Producer | Legal Description    | Location              | Products          | Bulk Dry<br>(Gsb) | Saturated<br>Surf Dry | Apparent | Percent<br>Absorb | Date Modified<br>or Verified | Chat or<br>SSG | Latitude | Longitude |
|--------------------------------|--------------------|----------------------|-----------------------|-------------------|-------------------|-----------------------|----------|-------------------|------------------------------|----------------|----------|-----------|
| Allied Inc                     | 811604             | S25 T15S R19W        | Ellis Co              |                   | 2.579             | 2.609                 | 2.658    | 1.2               | November 1, 2015             | s              |          |           |
| Alsop                          | 811105             | S27 T05S R03W        | Cloud Co.             |                   | 2.538             | 2.563                 | 2.603    | 1.0               | December 1, 2018             | s              |          |           |
| Alsop                          | 811107             | S27 T13S R01E        | Dickinson Co.         |                   | 2.556             | 2.611                 | 2.705    | 2.2               | July 1, 2017                 | s              |          |           |
| Alsop                          | 811114             | S05 T04S R04W        | Republic Co.          |                   | 2.518             | 2.559                 | 2.627    | 1.7               | August 1, 2017               | s              | 39.73909 | 97.78814  |
| APAC Kansas                    | 826003             | S14 T12S R08W        | Lincoln Co.           | CS-1              | 2.604             | 2.630                 | 2.674    | 1.0               | January 1, 2019              |                |          |           |
| APAC-Shears                    | 801934             | S21 T23S R05W        | Reno Co.              |                   | 2.560             | 2.583                 | 2.633    | 0.9               | June 1, 2018                 | s              |          |           |
| APAC-Shears (HRFD)             | 801935             | S02 T21S R13E        | Coffey Co.            |                   | 2.570             | 2.626                 | 2.725    | 2.2               | October 1, 2018              |                |          |           |
| Associated                     | 819905             | S14 T26S R01W        | Sedgwick County       |                   | 2.554             | 2.578                 | 2.618    | 1.0               | October 1, 2018              | s              |          |           |
| Bayer Const Co.                | 802325             | S05 T13S R05E        | Geary Co.             |                   | 2.535             | 2.593                 | 2.692    | 2.3               | October 1, 2017              |                |          |           |
| Bayer Const. Co. (TRKO)        | 802414             | S33 T11S R09E        | Riley Co.             |                   | 2.542             | 2.598                 | 2.694    | 2.2               | October 1, 2018              |                |          |           |
| Bayer Const. Co. (TRKO)        | 802445             | S04 T11S R09E        | Riley Co.             | 3/4" x 1/4"       | 2.541             | 2.604                 | 2.716    | 2.6               | January 1, 2019              |                |          |           |
| Bayer Const. Co. (TRKO)        | 802445             | S04 T11S R09E        | Riley Co.             | Washed 3/8" Chips | 2.480             | 2.563                 | 2.695    | 3.3               | January 1, 2019              |                |          |           |
| Bayer Const. Co. (TRKO)        | 802449             | S03 T11S R09E        | Riley Co.             |                   | 2.515             | 2.584                 | 2.703    | 2.8               | December 1, 2017             |                |          |           |
| Beyer Crushed Rock Co (BFLS)   | 806901             | S26 T45N R33W        | Cass Co. MO           |                   | 2.559             | 2.608                 | 2.690    | 1.9               | May 1, 2018                  |                |          |           |
| Bingham (Sooner Pile)          | 821812             | S16 T29N R23E        | Ottawa Co. OK         |                   | 2.516             | 2.568                 | 2.654    | 2.1               | September 1, 2018            | c              | 36.99599 | 94.82399  |
| Bladen Sand                    | 823802             | S014 T02N R16W       | Franklin Co. NE       |                   | 2.581             | 2.597                 | 2.619    | 0.6               | February 1, 2015             | s              |          |           |
| Blue River Sand                | 805404             | S25 T04S R06E        | Marshall Co.          |                   | 2.559             | 2.584                 | 2.624    | 1.0               | October 1, 2018              | s              |          |           |
| Carder                         | 823503             | S30 T22S R44W        | Prowers Co. CO        | SSG, CG           | 2.585             | 2.610                 | 2.651    | 1.0               | June 1, 2015                 | s              |          |           |
| Central Sand                   | 848601             | S22 T26S R01W        | Sedgwick County       | SSG               | 2.554             | 2.577                 | 2.620    | 1.0               | December 1, 2018             | s              |          |           |
| Concrete Enterprise            | 813403             | S04 T28S R13W        | Pratt Co.             |                   | 2.559             | 2.590                 | 2.641    | 1.2               | November 1, 2018             | s              |          |           |
| Cornejo & Sons                 | 819304             | S02 T27S R01W        | Sedgwick Co.          |                   | 2.533             | 2.561                 | 2.605    | 1.1               | June 1, 2015                 | s              |          |           |
| Cornejo Mtls                   | 820103             | S23 T26S R01W        | Sedgwick Co.          | SSG               | 2.571             | 2.592                 | 2.625    | 0.8               | December 1, 2018             | s              |          |           |
| Cornejo Mtls                   | 820105             | S14 T31S R10E        | Elk Co.               | CS1A, CS1         | 2.482             | 2.563                 | 2.700    | 3.2               | November 1, 2017             |                |          |           |
| Cornejo Stone (EVCK)           | 801504             | S13 T31S R10E        | Elk Co.               | 3/4"              | 2.511             | 2.577                 | 2.689    | 2.7               | December 1, 2018             |                | 37.35270 | 96.28578  |
| Deweese                        | 825001             | S17 T01N R07W        | Nuckolls Co. NE       | SSG               | 2.576             | 2.594                 | 2.623    | 0.7               | November 1, 2018             | s              |          |           |
| Dodge City Sand                | 813102             | S32 T26S R25W        | Ford Co.              |                   | 2.550             | 2.580                 | 2.630    | 1.0               | May 1, 2018                  | s              |          |           |
| Dolese                         | 809402             | S32 T06N R15W        | Kiowa Co. OK          |                   | 2.706             | 2.723                 | 2.753    | 0.6               | December 1, 2018             |                | 34.94803 | 98.81396  |
| Eastern Colorado Agg           | 833301             | S18 T23S R42W        | Holly, Prowers Co, CO |                   | 2.578             | 2.607                 | 2.654    | 1.1               | August 1, 2015               | s              |          |           |
| Flint Rock Products Pile # 2   | 822503             | SW 1/4 S29 T29N R23E | Ottawa County, OK     |                   | 2.539             | 2.587                 | 2.668    | 1.9               | October 1, 2017              | c              | 36.96011 | 94.84968  |
| Granite Mountain               | 838701             | S26 T01N R12W        | Pulaski Co., AR       |                   | 2.592             | 2.608                 | 2.633    | 0.6               | April 1, 2018                |                |          |           |
| Gravel and Concrete            | 832701             | S15 T22S R07W        | Reno Co.              |                   | 2.551             | 2.580                 | 2.620    | 1.1               | July 1, 2018                 | s              |          |           |
| Hamm                           | 800976             | S15 T14S R04E        | Dickinson Co.         |                   | 2.457             | 2.541                 | 2.681    | 3.4               | January 1, 2019              |                |          |           |
| Hamm (EVCK)                    | 800977             | S09 T11S R17E        | Jefferson Co.         |                   | 2.558             | 2.622                 | 2.732    | 2.5               | December 1, 2018             |                |          |           |
| Hamm (NEVA)                    | 800980             | S11 T07S R10E        | Pottawatomie Co.      |                   | 2.453             | 2.529                 | 2.654    | 3.1               | October 1, 2018              |                |          |           |
| Hamm (OZWK)                    | 800977             | S09 T11S R17E        | Jefferson Co.         |                   | 2.613             | 2.663                 | 2.751    | 1.9               | May 1, 2018                  |                |          |           |
| Hamm (RKBF)                    | 800977             | S09 T11S R17E        | Jefferson Co.         |                   | 2.596             | 2.651                 | 2.747    | 2.1               | July 1, 2018                 |                |          |           |
| Hamm (STNR)                    | 800907             | S15 T13S R21E        | Douglas Co.           |                   | 2.598             | 2.642                 | 2.719    | 1.7               | October 1, 2018              |                |          |           |
| Hard Rock Sand                 | 844501             | S31 T26S R25W        | Ford Co.              |                   | 2.565             | 2.605                 | 2.616    | 1.0               | April 1, 2016                | s              |          |           |
| Harshman Const.                | 801517             | S04 T30S R11E        | Elk Co.               | 3/4"              | 2.499             | 2.574                 | 2.700    | 3.0               | August 1, 2018               |                | 37.47226 | 96.21392  |
| Hartford S&G                   | 824802             | S30T10SR08E          | Riley Co.             | SSG               | 2.564             | 2.595                 | 2.648    | 1.2               | December 1, 2017             | s              |          |           |
| Hi-Plains Sand                 | CC130704           | S19 T16S R06W        | Ellsworth Co.         |                   | 2.547             | 2.594                 | 2.673    | 1.8               | December 1, 2016             | s              | 38.64956 | 98.03405  |
| Huber                          | 812701             | S21 T24S R32W        | Finney Co.            |                   | 2.560             | 2.580                 | 2.620    | 1.0               | February 1, 2019             | s              | 37.95444 | 100.84933 |
| Huber                          | 835801             | S17 T24S R40W        | Hamilton Co.          |                   | 2.558             | 2.580                 | 2.626    | 1.1               | November 1, 2018             | s              |          |           |
| Hunt (BFLS underground)        | 803512             | S02 T52N R34W        | Platte Co MO          | -1"               | 2.605             | 2.645                 | 2.715    | 1.6               | January 1, 2018              |                |          |           |
| Hunt-Martin Materials (CPCK)   | 800310             | S13 T16S R19E        | Franklin Co.          | -3/4"             | 2.541             | 2.596                 | 2.712    | 2.7               | August 1, 2018               |                |          |           |
| Ideker, Inc                    | 835403             | S08 T52N R30W        | Clay Co. MO           |                   | 2.589             | 2.631                 | 2.702    | 1.6               | July 1, 2018                 |                |          |           |
| Iron Mntn Trap Rock            | 823701             | S30 T35N R04E        | St Francois Co MO     |                   | 2.596             | 2.612                 | 2.639    | 0.6               | February 1, 2019             |                |          |           |
| Johnson County Aggregates ARGN | 806701             | S09 T14S R23E        | Johnson Co. KS        |                   | 2.591             | 2.643                 | 2.734    | 2.0               | September 1, 2018            |                | 38.84677 | 94.86382  |

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|----------------------------------|--------------------|-------------------|------------------|-----------------|-------------------|-----------------------|----------|-------------------|------------------------------|----------------|----------|-----------|
| Johnson Sand                     | 818902             | S 05 T15S R02W    | Salina           |                 | 2.544             | 2.599                 | 2.692    | 2.2               | November 1, 2015             | s              | 38.78218 | 97.57118  |
| Johnson Sand                     | 818903             | S 32T14S R02W     | Salina           |                 | 2.570             | 2.614                 | 2.687    | 1.7               | October 1, 2018              | s              |          |           |
| Kinsley Redi Mix                 | 835101             | S35 T24S R19W     | Edwards Co.      |                 | 2.548             | 2.581                 | 2.633    | 1.3               | September 1, 2014            | s              |          |           |
| Klotz                            | 812605             | S31 T24S R31W     | Finney Co.       |                 | 2.556             | 2.584                 | 2.629    | 1.1               | July 1, 2018                 | s              |          |           |
| Klotz                            | 812607             | S02 T25S R36W     | Kearny Co.       |                 | 2.568             | 2.590                 | 2.627    | 0.9               | May 1, 2018                  | s              |          |           |
| Klotz                            | 812809             | S03 T25S R36W     | Kearny Co.       |                 | 2.575             | 2.599                 | 2.638    | 0.9               | May 1, 2014                  | s              |          |           |
| Klotz                            | 814202             | S18 T24S R40W     | Hamilton Co.     |                 | 2.570             | 2.600                 | 2.649    | 1.2               | December 1, 2017             | s              |          |           |
| Knop Concrete                    | 839501             | S06 T20S R11W     | Barton County    |                 | 2.563             | 2.590                 | 2.634    | 1.1               | September 1, 2014            | s              |          |           |
| Lakeside S&G                     | 844705             | S03 T02N R33W     | Hitchcock Co. NE |                 | 2.507             | 2.547                 | 2.612    | 1.6               | March 1, 2014                | s              |          |           |
| Martin Marietta                  | 808701             | S20 T02S R05E     | Johnston Co., OK | -3/4"           | 2.631             | 2.647                 | 2.673    | 0.6               | January 1, 2019              |                |          |           |
| Martin Marietta                  | 833901             | S07 T13N R69W     | Laramie Co., Wy  |                 | 2.768             | 2.777                 | 2.793    | 0.3               | June 1, 2017                 |                |          |           |
| Martin Marietta (BFLS)           | 802451             | S11 T46N R31W     | Cass Co. MO      |                 | 2.597             | 2.641                 | 2.714    | 1.7               | January 1, 2019              |                | 38.81813 | 94.32591  |
| Martin Marietta (COCA)           | 800318             | S03 T50N R32W     | Clay Co MO       | -1"             | 2.657             | 2.707                 | 2.711    | 0.7               | June 1, 2018                 |                |          |           |
| Martin Marietta (LFRLY)          | 800319             | S04 T13S R22E     | Johnston Co.     | -3/4"           | 2.583             | 2.631                 | 2.714    | 1.8               | November 1, 2018             |                |          |           |
| Martin Marietta (UFRLY)          | 800319             | S04 T13S R22E     | Johnston Co.     | -3/4"           | 2.520             | 2.587                 | 2.699    | 2.6               | October 1, 2018              |                |          |           |
| Mid-States Materials (EVCK)      | 843503             | S21 T15S R16E     | Osage Co.        | -3/4"           | 2.523             | 2.581                 | 2.679    | 2.3               | December 1, 2017             |                | 38.98323 | 95.48802  |
| Mid-States Materials (EVCK)      | 843507             | S26 T12S R17E     | Douglas Co.      |                 | 2.527             | 2.597                 | 2.718    | 2.8               | February 1, 2019             |                |          |           |
| Mid-States Materials (FRLY)      | 826101             | S08 T15S R22E     | Johnson Co. KS   | -1"             | 2.541             | 2.602                 | 2.707    | 2.4               | November 1, 2018             |                |          |           |
| Mid-States Materials (SPGH)      | 800317             | S01 T17S R20E     | Franklin Co.     | 3/4"            | 2.519             | 2.597                 | 2.732    | 3.1               | May 1, 2018                  |                |          |           |
| Mid-States Materials (SPGH)      | 826101             | S08 T15S R22E     | Johnson Co. KS   | -3/4"           | 2.474             | 2.563                 | 2.714    | 3.6               | October 1, 2018              |                |          |           |
| Mid-States Sand                  | 843902             | S33 T25S R01W     | Sedgwick Co.     |                 | 2.562             | 2.583                 | 2.617    | 0.8               | September 1, 2018            | s              |          |           |
| Midwest Minerals (WNRS)          | 801708             | S22 T31S R17E     | Montgomery Co.   | 3/4"            | 2.539             | 2.606                 | 2.722    | 2.6               | February 1, 2019             |                |          |           |
| Midwest Minerals (BKJG)          | 801702             | S30 T30S R24E     | Crawford Co.     |                 | 2.567             | 2.618                 | 2.705    | 2.0               | August 1, 2018               |                | 37.39924 | 94.81974  |
| Midwest Minerals (BKJG)          | 801705             | S06 T35S R21E     | Labette Co.      | CS-1/CA-5       | 2.538             | 2.597                 | 2.696    | 2.3               | May 1, 2018                  |                | 37.03208 | 95.15115  |
| Midwest Minerals (BKJG)          | 801724             | S25 T31S R21E     | Cherokee Co.     |                 | 2.551             | 2.611                 | 2.713    | 2.3               | June 1, 2018                 |                |          |           |
| Midwest Minerals (STNR)          | 801710             | S18 T32S R14E     | Montgomery Co.   |                 | 2.638             | 2.670                 | 2.725    | 1.2               | November 1, 2017             |                | 37.25991 | 95.91144  |
| Midwest Minerals (STNR)          | 801722             | S27 T30S R15E     | Wilson Co.       | -1", 1/2" chips | 2.605             | 2.643                 | 2.706    | 1.5               | June 1, 2018                 |                | 37.41245 | 95.74935  |
| Midwest Minerals (WRLD)          | 801719             | S12 T32S R19E     | Labette Co.      | Chips           | 2.590             | 2.638                 | 2.721    | 1.9               | November 1, 2017             |                | 37.27997 | 95.28111  |
| N.A.P. Co (AMZN)                 | 802439             | S28 T59N R35W     | Andrew Co. MO    | 3/4"            | 2.584             | 2.642                 | 2.745    | 2.3               | April 1, 2018                |                |          |           |
| Nelson Quarries (HRFD)           | 800125             | S34 T19S R14E     | Coffey Co.       | 3/4"            | 2.523             | 2.597                 | 2.725    | 2.9               | February 1, 2019             |                |          |           |
| Nelson Quarries (LBRD)           | 800124             | S17 T25S R24E     | Bourbon Co.      | -1/2", mansand  | 2.539             | 2.591                 | 2.679    | 2.0               | July 1, 2018                 |                | 37.86800 | 94.78930  |
| Nelson Quarries (RYTN)           | 800101             | S33 T24S R19E     | Allen Co.        |                 | 2.491             | 2.564                 | 2.681    | 2.9               | July 1, 2018                 |                | 37.91222 | 95.32786  |
| Northridge Sand                  | 819102             | S16 T26S R01E     | Sedgwick Co.     |                 | 2.555             | 2.579                 | 2.619    | 0.9               | August 1, 2017               | s              |          |           |
| Prowers Aggregate Operators, LLC | 847901             | S28 T22S R46W     | Prowers Co. CO   |                 | 2.569             | 2.596                 | 2.641    | 1.1               | August 1, 2018               | s              | 38.10196 | 102.58315 |
| Raymond Sand                     | 818201             | S28 T20S R10W     | Rice Co.         |                 | 2.567             | 2.590                 | 2.626    | 0.9               | January 1, 2016              | s              |          |           |
| Seacat & Heft                    | 815801             | S04 T29S R17W     | Kiowa Co.        |                 | 2.529             | 2.570                 | 2.637    | 1.6               | September 1, 2014            | s              |          |           |
| Stone Sand                       | 810401             | S33 T19S R12W     | Barton Co.       |                 | 2.566             | 2.591                 | 2.631    | 1.0               | May 1, 2018                  | s              |          |           |
| Trap Rock And Granite            | 845303             | S12 T34N R03E     | Iron Co. MO      | -3/4"           | 2.680             | 2.684                 | 2.691    | 0.2               | November 1, 2017             |                |          |           |
| Venture Dundee Sand              | 810112             | S16 T20S R14W     | Barton Co.       |                 | 2.562             | 2.597                 | 2.633    | 0.9               | July 1, 2018                 | s              |          |           |
| Whitaker                         | 847201             | S20 T32S R08E     | Cowley Co.       | -1/2            | 2.478             | 2.556                 | 2.689    | 3.2               | July 1, 2017                 |                |          |           |
| Whitaker                         | 847201             | S20 T32S R08E     | Cowley Co.       | -3/4            | 2.531             | 2.588                 | 2.685    | 2.3               | November 1, 2017             |                |          |           |
| Whitaker                         | 800205             | S12 T34S R07E     | Cowley Co.       | 1/2", 3/4"      | 2.540             | 2.595                 | 2.688    | 2.2               | October 1, 2017              |                |          |           |

### Deleted Values

The following are values from sources that have been deleted from the active list and are for reference only.

|            |        |               |            |  |       |       |       |     |                  |   |          |          |
|------------|--------|---------------|------------|--|-------|-------|-------|-----|------------------|---|----------|----------|
| Allied Inc | 808323 | S10 T15S R14W | Russell Co |  | 2.573 | 2.601 | 2.647 | 1.1 | October 1, 2008  | s | 38.76984 | 98.86696 |
| Alsop      | 811101 | S02 T08S R02E | Clay Co.   |  | 2.495 | 2.540 | 2.610 | 1.4 | October 15, 2004 | s |          |          |
| Alsop      | 811102 | S26 T05S R03W | Cloud Co.  |  | 2.553 | 2.575 | 2.609 | 0.9 | October 15, 2004 | s | 39.73481 | 97.78781 |

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|--------------------------------------|--------------------|-------------------|----------------------|---------------|-------------------|-----------------------|----------|-------------------|------------------------------|----------------|----------|-----------|
| Alsop                                | 811103             | S05 T04S R04W     | Republic Co.         |               | 2.538             | 2.560                 | 2.600    | 1.1               | June 1, 2007                 | S              |          |           |
| Alsop                                | 811107             | S27 T13S R01E     | Dickinson Co.        |               | 2.547             | 2.590                 | 2.675    | 1.9               | April 1, 2007                | S              |          |           |
| Alsop                                | 811108             | S31 T14S R02W     | Saline Co.           |               | 2.557             | 2.611                 | 2.703    | 2.1               | August 1, 2006               | S              |          |           |
| Alsop                                | 811109             | S4 T02N R02W      | Hebron, NE           |               | 2.566             | 2.584                 | 2.612    | 0.7               | August 1, 2002               | S              |          |           |
| Alsop                                | 811112             | S30 T13S R02W     | Saline Co.           |               | 2.517             | 2.580                 | 2.685    | 2.5               | November 1, 2007             |                |          |           |
| Amman Sand (See Bladden)             |                    |                   |                      |               |                   |                       |          |                   |                              |                |          |           |
| Anchor Stone                         | 836401             | S34 T21N R14E     | Tulsa, OK            |               | 2.555             | 2.590                 | 2.690    | 2.4               |                              |                | 38.67299 | 94.69581  |
| Anchor Stone (WRSW)                  | 836402             | S34 T28N R32W     | Jasper Co. MO        | 3/4"          | 2.532             | 2.584                 | 2.672    | 2.1               | February 1, 2016             |                | 37.10327 | 94.40710  |
| APAC (ARGN)                          | 804007             | S12 T16S R24E     | Miami Co             | -1, -1/2"     | 2.545             | 2.601                 | 2.692    | 2.2               | March 1, 2009                |                | 38.67201 | 94.69464  |
| APAC (FRLY)                          | 804008             | S07 T16S R25E     | Miami Co             | -1"           | 2.603             | 2.615                 | 2.692    | 1.4               | September 1, 2016            |                |          |           |
| APAC (FRLY, Class I for UTB Overlay) | 804007             | S12 T16S R24E     | Miami Co             | -1/2          | 2.591             | 2.632                 | 2.702    | 1.6               | December 1, 2007             |                | 38.67299 | 94.69581  |
| APAC (FRLY/AR)                       | 804007             | S12 T16S R24E     | Miami Co             | -1            | 2.473             | 2.551                 | 2.682    | 3.1               | July 1, 2008                 |                | 38.66821 | 94.69798  |
| APAC (FRLY/AR)                       | 804007             | S12 T16S R24E     | Miami Co             | -3/4          | 2.512             | 2.582                 | 2.701    | 2.8               | June 1, 2008                 | S              |          |           |
| APAC (FRLYARG)                       | 804008             | S07 T16S R25E     | Miami Co             | -1/2, -3/4    | 2.533             | 2.595                 | 2.703    | 2.5               | August 1, 2016               |                |          |           |
| APAC (FRLYARG)                       | 804008             | S07 T16S R25E     | Miami Co             | -5/16         | 2.402             | 2.515                 | 2.709    | 4.7               | January 1, 2015              |                |          |           |
| APAC (FRLYARG)                       | 804008             | S07 T16S R25E     | Miami Co             | -1/2, -3/4    | 2.471             | 2.552                 | 2.688    | 3.3               | January 1, 2015              |                |          |           |
| APAC Central (DEWY)                  | 809101             | S25 T27N R13E     | Washington Co. OK    | -3/4"         | 2.644             | 2.680                 | 2.710    | 1.3               | September 1, 2014            |                | 36.80405 | 95.86936  |
| APAC Hays                            | 808323             | S10 T15S R14W     | Russel Co.           |               | 2.525             | 2.573                 | 2.653    | 1.9               | May 1, 2002                  | S              |          |           |
| APAC Hays                            | 811602             | S29 T15S R18W     | Ellis Co.            |               | 2.588             | 2.600                 | 2.640    | 1.0               | July 1, 2006                 | S              |          |           |
| APAC Hays                            | 811603             | S25 T15S R19W     | Ellis Co. Kraus Pit  |               | 2.520             | 2.567                 | 2.655    | 2.1               | October 1, 2009              | S              |          |           |
| APAC Hays                            | 811604             | S25 T15S R19W     | Ellis Co. Bieker Pit |               | 2.570             | 2.600                 | 2.640    | 1.3               | October 15, 2004             | S              |          |           |
| APAC Hays                            | 811613             | S27 T10S R28W     | Sheridan Co.         |               | 2.530             | 2.557                 | 2.611    | 1.3               | October 15, 2004             | S              |          |           |
| APAC Hays                            | 811614             | S17 T7S R39W      | Sherman Co.          |               | 2.540             | 2.574                 | 2.629    | 1.3               | October 15, 2004             | S              |          |           |
| APAC Hays                            | 811615             | S34 T10S R32W     | Thomas Co.           |               | 2.534             | 2.550                 | 2.608    | 1.3               | October 15, 2004             | S              |          |           |
| APAC Hays                            | 811620             | S31 T14S R23W     | Trego Co.            |               | 2.580             | 2.601                 | 2.653    | 1.0               | October 15, 2004             | S              |          |           |
| APAC Hays                            | 811628             | S35 T10S R32W     | Thomas Co.           |               | 2.540             | 2.575                 | 2.624    | 1.2               | October 15, 2004             | S              |          |           |
| APAC Hays                            | 811630             | S36 T14S R24W     | Trego Co.            |               | 2.580             | 2.601                 | 2.653    | 1.0               | October 15, 2004             |                |          |           |
| APAC Kansas                          | 801904             | S03 T 21S R13E    | Lyon Co.             |               | 2.535             | 2.601                 | 2.714    | 2.6               | June 1, 2007                 |                | 39.03173 | 94.80922  |
| APAC Kansas                          | 810903             | S05 T27S R24W     | Ford Co.             |               | 2.578             | 2.602                 | 2.641    | 0.9               | September 1, 2013            | S              |          |           |
| APAC Kansas (ARGN Ledge)             | 803701             | S01 T12S R23E     | Johnson Co.          | -3/4"         | 2.563             | 2.617                 | 2.710    | 2.1               | November 1, 2010             |                |          |           |
| APAC Kansas (CPCK)                   | 803705             | S10 T14S R23E     | Johnson Co.          | -3/4", -5/15" | 2.532             | 2.599                 | 2.716    | 2.7               | July 1, 2015                 |                | 38.85231 | 94.84701  |
| APAC Kansas (CPCK)                   | 803903             | S16 T14S R23E     | Johnson Co.          |               | 2.575             | 2.627                 | 2.717    | 2.0               | October 1, 2014              |                | 38.83518 | 94.86701  |
| APAC Kansas (FRLY Ledge)             | 803705             | S10 T14S R23E     | Johnson Co.          | -1"           | 2.610             | 2.653                 | 2.727    | 1.6               | May 19, 2016                 |                |          |           |
| APAC Kansas (HRFD)                   | 804009             | S 03 T21S R13E    | Lyon Co.             |               | 2.515             | 2.581                 | 2.694    | 2.6               | May 1, 2011                  |                | 39.03190 | 94.80896  |
| APAC Kansas (LFRLY Ledge)            | 803701             | S01 T12S R23E     | Johnson Co.          | -3/4"         | 2.556             | 2.617                 | 2.722    | 2.4               | November 1, 2010             |                |          |           |
| APAC Kansas (STNR Ledge)             | 803705             | S10 T14S R23E     | Johnson Co.          | -3/4"         | 2.574             | 2.626                 | 2.715    | 2.0               | October 1, 2014              |                | 38.85297 | 94.84856  |
| APAC Kansas (STNR)                   | 803903             | S16 T14S R23E     | Johnson Co.          |               | 2.570             | 2.621                 | 2.704    | 2.0               | October 1, 2015              |                | 38.83191 | 94.86777  |
| APAC Reno                            | 836301             | S27 T22S R24E     | Linn Co.             | 1/2" Chip     | 2.407             | 2.487                 | 2.616    | 3.3               | December 1, 2003             |                |          |           |
| APAC Reno                            |                    |                   | Johnson Co. KS       |               | 2.548             |                       |          |                   |                              |                | 38.82150 | 94.69010  |
| APAC Reno (ARGN)                     | 804002             | S24 T14S R24E     | Johnson Co. KS       |               | 2.606             | 2.644                 | 2.709    | 1.4               | June 1, 2007                 |                | 38.67412 | 94.69887  |
| APAC Reno (FRLY)                     | 804007             | S12 T16S R24E     | Miami Co. KS         | -1/2", 3/4"   | 2.491             | 2.566                 | 2.694    | 3.0               | August 1, 2005               | S              |          |           |
| APAC Shears                          | 801916             | S14 T23S R05W     | Reno Co.             |               | 2.560             | 2.570                 | 2.610    | 0.9               | December 1, 2004             | S              | 38.69783 | 99.30538  |
| APAC-Allied                          | 841703             | S34 T15S R18W     | Ellis Co.            |               | 2.589             | 2.614                 | 2.649    | 0.9               | December 1, 2005             |                |          |           |
| APAC-Shears                          | 800408             | S11 T28S R12E     | Fall River           |               | 2.600             | 2.646                 | 2.719    | 1.6               |                              |                |          |           |
| APAC-Shears                          | 801925             | S11 T28S R12E     | Greenwood Co.        |               | 2.596             | 2.641                 | 2.719    | 1.7               | May 1, 2008                  |                |          |           |
| APAC-Shears                          | 801927             | S03 T21S R13E     | Hartford             |               | 2.535             | 2.595                 | 2.701    | 2.4               | February 1, 2001             | S              |          |           |
| APAC-Shears                          | 831401             | S35 T27S R01W     | Sedgewick Co.        |               | 2.546             | 2.571                 | 2.612    | 1.0               | September 1, 2003            |                |          |           |
| APAC-Shears                          | Various            | S23 T12S R08W     | Lincoln              |               | 2.598             | 2.626                 | 2.673    | 1.1               | August 1, 2002               |                |          |           |
| APAC-Shears                          |                    | (Various)         | Lincoln              |               | 2.615             | 2.642                 | 2.681    | 0.9               | April 1, 2000                | S              |          |           |

## February 2019 LETTING PROCEDURE I SPECIFIC GRAVITIES

| Producer                      | CMS ID<br>Producer | Legal Description | Location         | Products  | Bulk Dry<br>(Gsb) | Saturated<br>Surf Dry | Apparent | Percent<br>Absorb | Date Modified<br>or Verified | Chat or<br>SSG | Latitude | Longitude |
|-------------------------------|--------------------|-------------------|------------------|-----------|-------------------|-----------------------|----------|-------------------|------------------------------|----------------|----------|-----------|
| APAC-Shears (HRFD)            | 801935             | S02 T21S R13E     | Coffey Co.       | -3/4"     | 2.566             | 2.621                 | 2.713    | 2.1               | May 1, 2015                  |                |          |           |
| Ark River Sand                | 838202             | S06 T32S R03E     | Cowley Co.       |           | 2.550             | 2.573                 | 2.610    | 0.9               | September 1, 2006            |                |          |           |
| Ark River Sand                | 838202             | S06 T32S R03E     | Cowley County    |           | 2.550             | 2.573                 | 2.610    | 0.9               | December 1, 2002             |                |          |           |
| Ash Grove Aggr.               | 805108             | S30 T21S R20E     | Anderson Co.     |           | 2.530             | 2.610                 | 2.700    | 2.1               |                              |                |          |           |
| Ash Grove Aggr.               | 805109             | S30 T40N R31W     | Butler, MO       |           | 2.553             | 2.614                 | 2.719    | 2.4               | July 1, 2003                 |                |          |           |
| Ash Grove Aggr.               |                    | (Various)         | Bourbon Co.      |           | 2.515             |                       |          |                   |                              |                |          |           |
| Ash Grove Aggr.               |                    | (Various)         | Linn Co.         |           | 2.527             |                       |          |                   |                              |                |          |           |
| Associated                    | 819904             | S12 T30S R01E     | Sumner County    |           | 2.557             | 2.581                 | 2.621    | 0.9               | September 1, 2013            | s              |          |           |
| B&B Concrete                  | 603402             | S22 T07 R18W      | Stockton         |           |                   |                       |          |                   |                              |                |          |           |
| Barber & Sons (BFLS)          | 842701             | S07 T47N R30W     | Jackson Co. MO   | -1/2"     | 2.534             | 2.593                 | 2.691    | 2.3               | September 1, 2011            |                | 38.90338 | 94.27975  |
| Bayer Const Co.               | 801830             | S08 T13S R05E     | Geary Co.        |           | 2.546             | 2.611                 | 2.715    | 2.4               | November 1, 2015             |                |          |           |
| Bayer Const. Co.              | 801824             | S33 T10S R09E     | Riley Co.        |           | 2.558             | 2.614                 | 2.708    | 2.1               | July 1, 2010                 |                |          |           |
| Bayer Const. Co.              | 802322             | S05 T13S R05E     | Geary Co.        |           | 2.524             | 2.581                 | 2.678    | 2.3               | September 1, 2012            |                |          |           |
| Beatrice Sand                 | 824703             | S29 T01N R04E     | Fairbury, NE     |           | 2.584             |                       |          |                   |                              |                | 36.80490 | 95.87233  |
| BELCO APAC DEWY Ledge)        | 809101             | S25 T27N R13E     | Nowata, OK       |           | 2.650             | 2.679                 | 2.729    | 1.1               | October 1, 2009              |                |          |           |
| Belco Materials               | 809101             | S25 T27N R13E     | Washington Co.OK |           | 2.624             | 2.662                 | 2.727    | 1.5               | July 1, 2007                 |                |          |           |
| Belco Materials               | 809103             | S11 T25N R8W      | Osage Co.OK      | 1/2" Chip | 2.563             | 2.613                 | 2.699    | 2.0               | May 1, 2005                  |                |          |           |
| Belco Materials               | 809103             | S11 T25N R8W      | Osage Co.OK      | -3/4"     | 2.584             | 2.630                 | 2.709    | 1.8               | May 1, 2005                  | c              | 36.98155 | 94.80663  |
| Bingham (Atlas Pile)          | 821811             | S22 T29N R23E     | Ottawa Co. OK    |           | 2.491             | 2.552                 | 2.653    | 2.4               | March 1, 2005                | c              | 36.99195 | 94.85100  |
| Bingham (Gordon Pile)         | 821815             | S18 T29N R23E     | Ottawa Co. OK    |           | 2.533             | 2.574                 | 2.642    | 1.6               | June 1, 2008                 | c              |          |           |
| Bingham (Lawyer Pile)         | 821816             | S28 T29N R23E     | Ottawa Co. OK    |           | 2.543             | 2.582                 | 2.561    | 1.6               | January 1, 2017              | c              | 36.96795 | 94.82484  |
| Bingham (Ottawa Pile)         | 821806             | S17 T29N R23E     | Baxter Springs   |           | 2.535             |                       |          |                   | November 1, 1999             |                |          |           |
| Bladden (Formerly Amman Sand) | 823801             | S11 T02N R16W     | Franklin Co., NE |           | 2.530             |                       |          |                   |                              |                |          |           |
| Bladden (Formerly Amman Sand) | 823802             | S14 T02N R16W     | Franklin Co., NE |           | 2.590             |                       |          |                   |                              |                |          |           |
| Bladen                        | 824002             | S09 T02N R10W     | Red Cloud        |           | 2.590             | 2.600                 | 2.620    | 0.9               |                              | s              | 40.13917 | 98.93976  |
| Bladen                        | 824201             | S18 T02N R14W     | Franklin Co. NE  |           | 2.573             | 2.593                 | 2.624    | 0.8               | June 1, 2006                 | s              |          |           |
| Bladen                        | 824205             | S16 T02N R10W     | Webster Co. NE   |           | 2.580             | 2.595                 | 2.619    | 0.6               | October 1, 2008              | s              | 40.14244 | 98.45629  |
| Blevins Chat                  | 143801             | S25 T29N R22E     | Ottawa Co OK     | 3/8 chip  | 2.510             | 2.555                 | 2.642    | 1.8               | December 1, 2012             | c              | 36.96195 | 94.87701  |
| Broce Construction            | 809904             | S02 T27S R25W     | Ford Co.         |           | 2.553             | 2.582                 | 2.627    | 1.1               | January 1, 2005              |                |          |           |
| Bromley (Haeglin Lease)       |                    |                   | Atchison Co.     |           | 2.481             |                       |          |                   |                              |                |          |           |
| Builder's Sand (Victory)      | 815304             | S23 T11S R16E     | Shawnee Co.      |           | 2.480             | 2.530                 | 2.600    | 1.9               |                              |                |          |           |
| C&M Agg (Curzon)              | 800406             | S30 T17S R15E     | Osage County     |           | 2.444             | 2.560                 | 2.765    | 4.9               |                              |                |          |           |
| C&M Agg (Hartford)            | 800406             | S30 T17S R15E     | Osage County     |           | 2.568             | 2.629                 | 2.733    | 2.3               |                              |                |          |           |
| Carder                        | 823512             | S22 T23S R43W     | Hamilton CO      |           | 2.545             | 2.572                 | 2.616    | 1.1               | August 1, 2010               | s              |          |           |
| Carder                        | 823513             | S19 T24S R39W     | Hamilton CO      |           | 2.553             | 2.587                 | 2.643    | 1.3               | June 1, 2011                 | s              | 38.03351 | 102.03022 |
| Carder                        |                    | (Various)         | Lamar CO         |           | 2.585             | 2.615                 | 2.660    | 0.9               |                              |                |          |           |
| Carder                        |                    | (Various)         | Carlton CO       |           | 2.585             | 2.615                 | 2.660    | 0.9               |                              |                |          |           |
| Carthage Crushed              | 848001             | S29 T29N R31W     | Jasper Co. MO    |           | 2.636             | 2.660                 | 2.699    | 0.9               | October 1, 2015              |                | 37.20735 | 94.32763  |
| Central Paving                | 839001             | S17 T26S R04E     | Butler, Co.      | CS-1      | 2.454             | 2.534                 | 2.668    | 3.3               | December 1, 2003             |                |          |           |
| Consolidated Sand & Gravel    | 824601             | S27 T02N R02E     | Fairbury, NE     |           | 2.556             | 2.578                 | 2.614    | 0.9               |                              | c              | 36.98083 | 94.89053  |
| Cornejo & Sons                | 838202             | S06 T32S R03E     | Cowley Co.       |           | 2.562             | 2.586                 | 2.625    | 0.9               | April 1, 2012                | s              |          |           |
| Cornejo Mtls                  | 820104             | S34 T28S R01E     | Sedgewick Co.    | SSG       | 2.551             | 2.580                 | 2.626    | 1.1               | October 1, 2012              | s              |          |           |
| Cummins Const.                | CC158401           | S23 T29N R22E     | Ottawa Co. OK    |           | 2.516             | 2.563                 | 2.640    | 1.9               | June 1, 2006                 | s              |          |           |
| Dartmouth Sand                | 810401             | S33 T19S R12W     | Barton Co.       |           | 2.564             | 2.589                 | 2.628    | 0.9               | August 1, 2012               | s              |          |           |
| Dartmouth Sand                | 810401             | S33 T19S R12W     | Barton Co.       |           | 2.560             | 2.580                 | 2.615    | 0.8               | May 1, 2006                  | s              |          |           |
| Dolese                        | 809001             | S36 T04N R12W     | Comanche Co. OK  |           | 2.665             | 2.685                 | 2.718    | 0.8               | February 1, 2016             |                | 34.77073 | 98.40528  |
| Dolese                        | 809002             | S08 T01S R01E     | Davis Co. OK     |           | 2.664             | 2.683                 | 2.716    | 0.7               | February 1, 2016             |                | 34.48068 | 97.21703  |
| Dolese                        | 809402             | S32 T06N R15W     | Cooperton        |           | 2.720             | 2.730                 | 2.750    | 0.5               |                              | s              |          |           |

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| Producer                        | CMS ID<br>Producer | Legal Description    | Location                | Products          | Bulk Dry<br>(Gsb) | Saturated<br>Surf Dry | Apparent | Percent<br>Absorp | Date Modified<br>or Verified | Chat or<br>SSG | Latitude | Longitude |
|---------------------------------|--------------------|----------------------|-------------------------|-------------------|-------------------|-----------------------|----------|-------------------|------------------------------|----------------|----------|-----------|
| Evans And Assoc.                | CC172602           | S26 T29N R02 E       | Kay Co. OK              |                   | 2.520             | 2.560                 | 2.623    | 1.5               | December 1, 2004             |                |          |           |
| Flint Rock Products Pile # 2    | 822503             | SW 1/4 S29 T29N R23E | Ottawa County, OK       |                   | 2.538             | 2.573                 | 2.631    | 1.4               | April 1, 2013                | C              |          |           |
| Granite Mountain                | 838701             | S26 T01N R12W        | Sweet Home, AR          |                   | 2.600             | 2.615                 | 2.641    | 0.6               | November 1, 2014             |                |          |           |
| Great Bend Asphalt              | 810301             | S32 T19S R13W        | Great Bend              |                   | 2.550             |                       |          |                   |                              |                |          |           |
| Hamm                            | 800921             | S07 T08S R21E        | Easton-Leavenworth Co   |                   | 2.423             | 2.540                 | 2.680    | 3.3               |                              |                |          |           |
| Hamm                            | 800929             | S09 T17S R15E        | Lyndon-Osage City       |                   | 2.530             | 2.600                 | 2.718    | 2.7               |                              |                |          |           |
| Hamm                            | 800931             | S34 T17S R16E        | Osage Co.               |                   | 2.461             | 2.553                 | 2.713    | 3.8               | May 1, 2004                  |                |          |           |
| Hamm                            | 800948             | S21 T02S R20E        | Doniphan Co.            | CS-1              | 2.467             | 2.551                 | 2.692    | 3.4               | May 1, 2005                  |                |          |           |
| Hamm                            | 800963             | S04 T15S R04E        | Dickinson Co.           |                   | 2.405             | 2.492                 | 2.644    | 3.6               | August 1, 2006               |                |          |           |
| Hamm                            | 800968             | S10 T07S R10E        | Pottawatomie Co.        |                   | 2.570             | 2.622                 | 2.71     | 2.0               | June 1, 2013                 |                |          |           |
| Hamm                            | 800968             | S10 T07S R10E        | Pottawatomie Co.        |                   | 2.447             | 2.524                 | 2.651    | 3.2               | March 1, 2012                |                |          |           |
| Hamm                            | 802457             | S10 T14S R04E        | Dickinson Co.           |                   | 2.461             | 2.539                 | 2.670    | 3.2               | October 1, 2011              |                |          |           |
| Hamm                            | 900938             | S15 T10S R15E        | Roll Mead-Shawnee Co    |                   | 2.597             | 2.654                 | 2.755    | 2.2               |                              |                |          |           |
| Hamm                            | 800949             | S36 T11S R19E        | Jefferson Co.           | CS-1              | 2.517             | 2.602                 | 2.752    | 3.4               | July 1, 2006                 |                |          |           |
| Hamm                            | 800955             | S13 T13S R03E        | Chapman                 | CS-1, CS-1A, CS-2 | 2.388             | 2.494                 | 2.670    | 4.4               | August 1, 2002               |                |          |           |
| Hamm                            | 800955             | S13 T13S R03E        | Dickinson Co.           | CS-1, CS-1A, CS-2 | 2.388             | 2.494                 | 2.670    | 4.4               | August 1, 2002               |                | 38.80787 | 96.78781  |
| Hamm                            | 800964             | S29 T14S R06E        | Morris Co.              |                   | 2.470             | 2.558                 | 2.676    | 2.9               | March 1, 2008                |                |          |           |
| Hamm                            | 800964             | S29 T14S R06E        | Morris Co.              | CS-1              | 2.496             | 2.556                 | 2.656    | 2.4               | July 1, 2003                 |                |          |           |
| Hamm                            | 800965             | S03 T07S R10E        | Pottawatomie Co.        |                   | 2.435             | 2.521                 | 2.670    | 3.6               | July 1, 2003                 |                |          |           |
| Hamm Ervine Creek               | 800915             | S15 T11S R17E        | Grantville-Jefferson Co |                   | 2.510             |                       |          |                   | March 1, 2000                |                |          |           |
| Hamm Ozawkie Formation          | 800915             | S15 T11S R17E        | Grantville-Jefferson Co |                   | 2.565             | 2.623                 | 2.752    | 2.9               | August 1, 2001               |                |          |           |
| Hamm Rock Bluff Formation       | 800915             | S15 T11S R17E        | Grantville-Jefferson Co |                   | 2.620             |                       |          |                   | March 1, 2000                |                |          |           |
| Hamm SNBD                       | 800907             | S15 T13S R21E        | Eudora-Douglas Co       |                   | 2.606             | 2.655                 | 2.740    | 1.9               | August 1, 2013               |                |          |           |
| Hamm (EVCK)                     | 800930             | S16 T15S R16E        | Osage Co.               | CS-1              | 2.540             | 2.602                 | 2.710    | 2.5               | November 1, 2012             |                |          |           |
| Hamm (LVNR)                     | 800910             | S01 T12S R19E        | Douglas Co.             | CS-1              | 2.640             | 2.674                 | 2.735    | 1.3               | February 1, 2013             |                |          |           |
| Hamm (NEVA)                     | 800950             | S03 T07S R10E        | Pottawatomie Co.        |                   | 2.437             | 2.515                 | 2.644    | 3.2               | July 1, 2015                 |                |          |           |
| Hamm (NEVA)                     | 800967             | S10 T07S R10E        | Pottawatomie Co.        |                   | 2.408             | 2.499                 | 2.65     | 3.8               | February 1, 2011             |                |          |           |
| Hamm (STNR)                     | 800907             | S15 T13S R21E        | Eudora-Douglas Co       |                   | 2.588             | 2.639                 | 2.728    | 2.0               | June 1, 2014                 |                | 38.91467 | 95.06402  |
| Hamm (STNR)                     | 800942             | S23 T12S R21E        | Leavenworth Co.         |                   | 2.577             | 2.636                 | 2.74     | 2.3               | October 1, 2011              |                |          |           |
| Hamm (TRNT)                     | 800910             | S01 T12S R19E        | Douglas Co.             | CS-1              | 2.554             | 2.629                 | 2.761    | 2.9               | April 1, 2010                |                |          |           |
| Hamm HRFD                       | 800970             | S08 T03S R20E        | Doniphan Co.            |                   | 2.616             | 2.663                 | 2.750    | 1.8               | May 1, 2015                  |                |          |           |
| Hamm Plattsmouth Ledge          | 800949             | S36 T11S R19E        | Jefferson Co            |                   | 2.468             | 2.543                 | 2.668    | 3.0               | January 1, 2002              |                |          |           |
| Hamm Toronto/Leavenworth Ledges | 800949             | S36 T11S R19E        | Lawrence-Jefferson Co   |                   | 2.548             | 2.620                 | 2.748    | 2.9               |                              |                |          |           |
| Hanson Agg (Western Rock)       | 826501             | S10 T01S R01W        | Murray Co OK            |                   | 2.655             | 2.684                 | 2.733    | 1.1               | February 1, 2011             |                |          |           |
| Hard Rock Sand                  | 809904             | S02 T27S R25W        | Ford Co.                | SSG               | 2.561             | 2.587                 | 2.629    | 1.0               | December 1, 2013             | S              | 37.72627 | 100.02266 |
| Harry Byers                     | 805901             | S19 T27S R18E        | Neosho Co.              |                   | 2.574             | 2.640                 | 2.720    | 1.9               |                              |                |          |           |
| Harshman                        | 800111             | S19 T26S R16E        | Woodson Co.             |                   | 2.508             | 2.588                 | 2.728    | 3.2               | February 1, 2002             |                |          |           |
| Harshman                        | 801513             | S35 T25S R13E        | Paxson, Woodson Co.     |                   | 2.540             | 2.605                 | 2.705    | 2.3               |                              |                |          |           |
| Harshman                        |                    | S28 T23S R15E        | Drake, Woodson, Co.     |                   | 2.504             | 2.588                 | 2.734    | 3.4               |                              |                |          |           |
| Harshman                        |                    | S21 T34S R11E        | Floyd, Chatauqua, Co    |                   | 2.511             | 2.570                 | 2.667    | 2.3               |                              |                |          |           |
| Harshman                        |                    |                      | Freund, Coffey Co.      |                   | 2.503             | 2.583                 | 2.721    | 3.2               |                              |                |          |           |
| Harshman                        |                    |                      | Toronto, Greenwood Co.  |                   | 2.540             |                       |          |                   |                              |                |          |           |
| Harshman                        |                    |                      | Hilltop, Greenwood Co.  |                   | 2.510             |                       |          |                   |                              |                |          |           |
| Harshman (Ervine Cr. Ledge)     | 842101             | N1/2 S04 T30S R11E   | Elk Co.                 |                   | 2.498             | 2.563                 | 2.687    | 3.0               | March 1, 2003                |                | 37.77121 | 95.70426  |
| Harshman (SNBD/STNR Ledge)      | 800111             | S19 T26S R16E        | Woodson Co.             |                   | 2.532             | 2.600                 | 2.717    | 2.7               | January 1, 2011              |                |          |           |
| Harshman Const.                 | 801504             | S13 T31S R10E        | Elk Co.                 |                   | 2.486             | 2.566                 | 2.701    | 3.2               | July 1, 2010                 |                |          |           |
| Harshman Const.                 | 801517             | S04 T30S R11E        | Elk Co.                 | 1/2"              | 2.440             | 2.537                 | 2.701    | 3.9               | April 1, 2005                |                | 38.38015 | 95.79847  |
| Harshman Const. (HRFD)          | 801510             | S19 T19S R15E        | Coffey Co.              | -1" x 3/8         | 2.508             | 2.594                 | 2.745    | 3.4               | January 1, 2006              | C              | 36.97992 | 94.83575  |

## February 2019 LETTING PROCEDURE I SPECIFIC GRAVITIES

| Producer                                  | CMS ID<br>Producer | Legal Description | Location          | Products    | Bulk Dry<br>(Gsb) | Saturated<br>Surf Dry | Apparent | Percent<br>Absorp | Date Modified<br>or Verified | Chat or<br>SSG | Latitude | Longitude |
|---|--------------------|-------------------|-------------------|-------------|-------------------|-----------------------|----------|-------------------|------------------------------|----------------|----------|-----------|
| Heckert (St. Joe pile Primary)            | 842005             | S20 T29N R23E     | Ottawa Co. OK     |             | 2.526             | 2.577                 | 2.663    | 2.0               | May 1, 2008                  | c              | 36.98278 | 94.83655  |
| Heckert (St. Joe pile Vantage East)       | 842004             | S20 T29N R23E     | Ottawa Co. OK     |             | 2.498             | 2.564                 | 2.672    | 2.6               | May 1, 2008                  | s              |          |           |
| Heft Sand                                 | 838501             | S35 T30S R14W     | Barber Co.        |             | 2.539             | 2.576                 | 2.636    | 1.5               | April 1, 2007                |                |          |           |
| Holliday Sand                             | 815402             | S36 T11S R23E     | Wyandotte Co.     |             | 2.520             |                       |          |                   |                              |                |          |           |
| Holliday Sand                             | 815404             | S09 T50N R33W     | Andrew Co. MO     |             |                   |                       |          |                   |                              | c              |          |           |
| Huber                                     | 812702             | S18 T24S R33W     | Finney Co.        |             | 2.556             | 2.584                 | 2.629    | 1.1               | August 1, 2011               | s              |          |           |
| Humble Sand & Gavel                       | 822502             | S24 T29N R23E     | Ottawa County, OK | CME         | 2.531             | 2.575                 | 2.648    | 1.8               | August 1, 2008               |                |          |           |
| Humble Sand & Gavel                       | 822502             | S24 T29N R23E     | Ottawa County, OK |             | 2.488             | 2.543                 | 2.627    | 2.1               | April 1, 2001                |                |          |           |
| Hunt Midwest                              | 800204             | S21 T25S R24E     | Fort Scott        |             | 2.540             | 2.590                 | 2.670    | 1.9               |                              |                |          |           |
| Hunt Midwest                              | 800312             | S18 T17S R23E     | Miami Co.         | CS-1, CS-1A | 2.562             | 2.620                 | 2.718    | 2.2               | September 1, 2003            |                |          |           |
| Hunt Midwest                              |                    |                   | Osage County      |             | 2.537             | 2.600                 | 2.710    | 2.5               |                              |                |          |           |
| Hunt Midwest                              | 800205             | S12 T34S R07E     | Cowley Co.        |             | 2.467             | 2.551                 | 2.695    | 3.4               | January 1, 2005              |                |          |           |
| Hunt Midwest (Neva)                       | 800205             | S12 T34S R07E     | Cowley Co.        |             | 2.521             | 2.581                 | 2.680    | 2.3               | December 1, 2004             |                |          |           |
| Hunt-Martin (BFLS)                        | 807301             | S36 T50N R34W     | Riverside, MO     | -3/4"       | 2.577             | 2.626                 | 2.712    | 2.0               | November 1, 2015             |                |          |           |
| Hunt-Martin Materials                     | 800201             | S01 T20S R19E     | Anderson Co.      |             | 2.529             | 2.593                 | 2.703    | 2.5               | March 1, 2002                |                |          |           |
| Hunt-Martin Materials                     | 800306             | S01 T13S R18E     | Lawrence          |             | 2.552             | 2.632                 | 2.773    | 3.1               |                              |                |          |           |
| Hunt-Martin Materials                     | 800311             | S30 T16S R24E     | Miami Co.         |             | 2.502             | 2.570                 | 2.690    | 2.9               |                              |                |          |           |
| Hunt-Martin Materials                     | 800315             | S24 T18S R19E     | Franklin Co.      |             | 2.408             | 2.500                 | 2.690    | 3.9               |                              |                |          |           |
| Hunt-Martin Materials                     | 800316             | S14 T15S R18E     | Douglas Co.       |             | 2.495             | 2.569                 | 2.696    | 3.0               | October 1, 2002              |                |          |           |
| Hunt-Martin Materials                     | 802437             | S22 T12S R17E     | Shawnee Co.       |             | 2.561             |                       |          |                   | October 1, 1999              |                |          |           |
| Hunt-Martin Materials (BFLS)              | 802435             | S07 T45N R32W     | Peculiar, MO      | -1"         | 2.570             | 2.626                 | 2.722    | 2.2               | August 1, 2008               |                |          |           |
| Hunt-Martin Materials (CPCK)              | 800310             | S13 T16S R19E     | Franklin Co.      | -3/4" +4    | 2.513             | 2.585                 | 2.712    | 2.9               | December 1, 2013             |                | 38.65633 | 95.25275  |
| Hunt-Martin Materials (CPCK)              | 800310             | S13 T16S R19E     | Franklin Co.      | -1"         | 2.497             | 2.582                 | 2.731    | 3.4               | July 1, 2010                 |                | 38.65591 | 95.25500  |
| Hunt-Martin Materials (CPCK)              | 800310             | S13 T16S R19E     | Franklin Co.      | 1/2"        | 2.513             | 2.585                 | 2.712    | 2.9               | June 1, 2010                 |                |          |           |
| Hunt-Martin Materials (CPCK)              | 802447             | S13 T16S R19E     | Franklin Co.      | 3/4"        | 2.540             | 2.604                 | 2.714    | 2.5               | February 1, 2005             |                |          |           |
| Hunt-Martin Materials (CPCK)              | 802447             | S13 T16S R19E     | Franklin Co.      | 1/2"        | 2.502             | 2.580                 | 2.713    | 3.1               | February 1, 2005             |                |          |           |
| Hunt-Martin Materials (Ervine Creek)      | 802433             | S23 T12S R17E     | Douglas Co.       |             | 2.465             | 2.555                 | 2.716    | 3.7               | September 1, 2002            |                |          |           |
| Hunt-Martin Materials (Ervine Creek)      | 802437             | S22 T12S R17E     | Shawnee Co.       |             | 2.460             | 2.555                 | 2.717    | 3.8               | May 1, 2002                  |                |          |           |
| Hunt-Martin Materials (IFRLY)             | 803501             | S9 T13S R22E      | Johnson Co. KS    |             | 2.534             | 2.594                 | 2.696    | 2.4               | September 1, 2012            |                | 38.93860 | 94.97308  |
| Hunt-Martin Materials (Ozawkie Formation) | 802433             | S23 T12S R17E     | Douglas Co.       | 3/4"x5/16"  | 2.533             | 2.618                 | 2.768    | 3.4               | December 1, 2004             |                | 38.65554 | 95.25336  |
| Hunt-Martin Materials (SNBD)              | 800310             | S13 T16S R19E     | Franklin Co.      | -3/4"       | 2.629             | 2.666                 | 2.753    | 1.5               | December 1, 2006             |                | 38.65591 | 95.25500  |
| Hunt-Martin Materials (SPGH)              | 800310             | S13 T16S R19E     | Franklin Co.      | -3/4"       | 2.515             | 2.586                 | 2.707    | 2.8               | September 1, 2010            |                | 38.81273 | 94.31907  |
| Hunt-Martin Materials (STNR)              | 800310             | S13 T16S R19E     | Franklin Co.      | -3/4", -1"  | 2.497             | 2.576                 | 2.714    | 3.2               | June 1, 2015                 |                | 38.65706 | 95.25661  |
| Hunt-Martin Materials (UFRLY)             | 803501             | S9 T13S R22E      | Johnson Co. KS    |             | 2.532             | 2.598                 | 2.711    | 2.6               | January 1, 2014              |                | 38.94312 | 94.97285  |
| Hunt-Martin (PKA Martin Marietta) (BFLS)  | 802451             | S11 T46N R31W     | Greenwood, MO     | -1", -3/4"  | 2.580             | 2.630                 | 2.715    | 1.9               | July 1, 2011                 |                |          |           |
| Hunt-Midwest                              | 803503             | S10 T50N R32W     | Randolph, MO      | -3/4"       | 2.626             | 2.654                 | 2.700    | 1.1               | July 1, 2011                 |                |          |           |
| Ideker, Inc                               | 835401             | S19 T59N R35W     | Andrew Co. MO     |             | 2.490             |                       |          |                   |                              |                |          |           |
| Inland Quarries                           | 806503             | S27 T11S R24E     | Wyandotte Co.     |             | 2.579             | 2.630                 | 2.710    | 1.9               |                              |                |          |           |
| J&R Carlile Sand                          | 815604             | S26 T33S R32W     | Liberal           |             | 2.529             | 2.560                 | 2.630    | 1.7               |                              |                |          |           |
| J&R Sand Co                               | 814606             | S01 T33S R33W     | Seward Co         |             | 2.527             | 2.572                 | 2.644    | 1.8               | October 1, 2011              | s              |          |           |
| Johnson County Aggregates ARGN            | 806701             | S09 T14S R23E     | Johnson Co. KS    | -3/4"       | 2.573             | 2.628                 | 2.719    | 2.1               | July 1, 2008                 |                |          |           |
| Johnson County Aggregates ARGN            | 806701             | S09 T14S R23E     | Johnson Co. KS    | -1/2"       | 2.528             | 2.606                 | 2.743    | 3.1               | July 1, 2008                 |                | 38.84477 | 94.86395  |
| Johnson County Aggregates ARGN            | 806701             | S09 T14S R23E     | Johnson Co. KS    | -3/4"       | 2.599             | 2.644                 | 2.720    | 1.7               | October 1, 2010              |                | 38.84507 | 94.86435  |
| Johnson County Aggregates CPCK            | 806701             | S09 T14S R23E     | Johnson Co. KS    | -1"         | 2.580             | 2.632                 | 2.721    | 2.0               | May 1, 2015                  |                |          |           |
| Johnson County Aggregates FRLY            | 806701             | S09 T14S R23E     | Johnson Co. KS    | -1", -3/4"  | 2.617             | 2.655                 | 2.722    | 1.5               | December 1, 2015             |                | 38.85007 | 94.86372  |
| Johnson County Aggregates FRLY            | 806701             | S09 T14S R23E     | Johnson Co. KS    |             | 2.622             | 2.662                 | 2.732    | 1.5               | June 1, 2010                 |                | 38.84438 | 94.86339  |
| Johnson County Aggregates SPGH            | 806701             | S09 T14S R23E     | Johnson Co. KS    | -1"         | 2.531             | 2.603                 | 2.730    | 2.9               | August 1, 2015               |                | 38.84645 | 94.86367  |
| Johnson County Aggregates SPGH            | 806701             | S09 T14S R23E     | Johnson Co. KS    | -3/4"       | 2.512             | 2.592                 | 2.731    | 3.2               | October 1, 2009              |                | 38.84492 | 94.86620  |
| Johnson County Aggregates STNR            | 806701             | S09 T14S R23E     | Johnson Co. KS    |             | 2.566             | 2.628                 | 2.734    | 2.4               | February 1, 2007             | s              |          |           |

## February 2019 LETTING PROCEDURE I SPECIFIC GRAVITIES

| Producer                       | CMS ID<br>Producer | Legal Description   | Location         | Products                   | Bulk Dry<br>(Gsb) | Saturated<br>Surf Dry | Percent<br>Apparent | Percent<br>Absorp | Date Modified<br>or Verified | Chat or<br>SSG | Latitude | Longitude |
|--------------------------------|--------------------|---------------------|------------------|----------------------------|-------------------|-----------------------|---------------------|-------------------|------------------------------|----------------|----------|-----------|
| Johnson County Aggregates STNR | 806701             | S09 T14S R23E       | Johnson Co. KS   |                            | 2.584             | 2.630                 | 2.709               | 1.8               | April 1, 2012                |                | 38.84657 | 94.86459  |
| Johnson Sand                   | 818901             | S31 T14S R02W       | Salina           |                            | 2.564             | 2.606                 | 2.676               | 1.6               | May 1, 2006                  |                |          |           |
| Joplin Stone                   | 807101             | S26 T28N R32W       | Jasper Co. MO    | 3/4 Super, 1/2" Clean      | 2.495             | 2.564                 | 2.679               | 2.8               | November 1, 2014             |                | 37.11982 | 94.40110  |
| Joplin Stone (WRSW)            | 807101             | S26 T28N R32W       | Jasper Co. MO    | -3/8 Dirty                 | 2.473             | 2.550                 | 2.680               | 3.1               | May 1, 2013                  |                | 37.11982 | 94.40110  |
| Kansas Sand                    |                    |                     | Shawnee Co.      |                            | 2.470             |                       |                     |                   |                              |                |          |           |
| Kaw Sand                       | 811703             | S24 T12S R22E       | Johnson Co.      |                            | 2.530             | 2.570                 | 2.620               | 1.3               |                              |                |          |           |
| Kershaw Sand                   |                    |                     | Riley Co.        |                            | 2.520             |                       |                     |                   |                              | S              |          |           |
| Klaver                         | 813401             | S20 T26S R26W       | Ford Co.         |                            | 2.550             | 2.580                 | 2.630               | 1.2               | December 1, 2004             | S              |          |           |
| Klaver                         | 813403             | S04 T28S R13W       | Pratt Co.        |                            | 2.552             | 2.582                 | 2.632               | 1.2               | July 1, 2007                 | S              |          |           |
| Klotz                          | 812602             | S16 T24S R34W       | Finney Co.       |                            | 2.560             | 2.590                 | 2.640               | 1.2               | April 1, 2013                | S              |          |           |
| Klotz                          | 812603             | S16 T24S R33W       | Finney Co.       |                            | 2.560             | 2.590                 | 2.640               | 1.2               | October 15, 2004             | S              |          |           |
| Klotz                          | 812604             | S35 T24S R39W       | Hamilton Co.     |                            | 2.518             | 2.565                 | 2.644               | 1.9               | December 1, 2006             |                |          |           |
| Konza Const.                   | 813601             | S27 T11S R05E       | Geary Co.        |                            | 2.525             | 2.555                 | 2.602               | 1.2               | August 1, 2013               | S              |          |           |
| Lafarge Corp (BFLS)            | 600609             | S13 T50N R32W       | Jackson Co. MO   | -3/4"                      | 2.600             | 2.641                 | 2.711               | 1.6               | September 1, 2011            |                | 39.14949 | 94.40087  |
| Larned Sand                    | 817401             | S04 T22S R16W       | Pawnee Co.       |                            | 2.543             | 2.561                 | 2.600               | 1.0               | January 1, 2000              |                |          |           |
| Martin Marietta                | 800310             | S13 T16S R19W       | Franklin Co.     |                            | 2.518             | 2.588                 | 2.704               | 2.7               | April 1, 2000                |                |          |           |
| Martin Marietta                | 802244             | S23 T28S R11E       | Elk Co.          | Mansand                    | 2.518             | 2.589                 | 2.711               | 2.8               | July 1, 2012                 |                |          |           |
| Martin Marietta                | 802323             | S10 T13S R04E       | Chapman          | CS1-A                      | 2.487             | 2.564                 | 2.693               | 3.1               | July 1, 2002                 |                | 38.84522 | 96.96287  |
| Martin Marietta                | 802402             | S14 T14S R04E       | Dickinson Co.    |                            | 2.448             | 2.527                 | 2.649               | 3.2               | May 1, 2007                  |                |          |           |
| Martin Marietta                | 802422             | S34 T59N R35W       | Andrew Co., MO   |                            | 2.576             | 2.635                 | 2.735               | 2.3               |                              |                |          |           |
| Martin Marietta                | 802434             | S36 T01N R12E       | Pawnee Co. NE    |                            | 2.499             | 2.570                 | 2.690               | 2.9               | December 1, 2004             |                |          |           |
| Martin Marietta                | 802442             | S34 T10S R09E       | Riley Co.        |                            | 2.492             | 2.570                 | 2.700               | 3.1               | October 1, 1999              |                |          |           |
| Martin Marietta                | 802446             | S10 T14S R4E        | Dickinson Co.    |                            | 2.469             | 2.540                 | 2.656               | 2.9               | April 1, 2008                |                |          |           |
| Martin Marietta                | 802453             | S10 T10N R11E       | Cass Co. NE      | -3/8 ManSand, 1/4" chips   | 2.623             | 2.660                 | 2.724               | 1.4               | July 1, 2006                 |                |          |           |
| Martin Marietta                | 802454             | S10 T13S R04E       | Dickinson Co.    | CS-1                       | 2.543             | 2.597                 | 2.689               | 2.1               | December 1, 2004             |                |          |           |
| Martin Marietta                | 802458             | S35 T01N R12E       | Pawnee Co. NE    |                            | 2.473             | 2.556                 | 2.698               | 3.4               | June 1, 2015                 |                |          |           |
| Martin Marietta                | 806001             | S16 T18S R16E       | Melvorn          |                            | 2.522             | 2.584                 | 2.694               | 2.6               | October 1, 1999              |                |          |           |
| Martin Marietta                | 808502             | S29 T32S R08E       | Winfield         |                            | 2.508             | 2.567                 | 2.661               | 2.2               | April 1, 2000                |                |          |           |
| Martin Marietta                | 802401(2)          | S11 (S14) T14S R04E | Woodbine         | CS-1, CS-1A                | 2.474             | 2.560                 | 2.660               | 2.8               | November 1, 1999             |                |          |           |
| Martin Marietta (AKA:Walker)   | 802318             | S03 T13S R04E       | Chapman          |                            | 2.514             | 2.580                 | 2.700               | 2.8               |                              |                |          |           |
| Martin Marietta (AKA:Walker)   |                    | S13 T26S R09E       | Greenwood Quarry |                            | 2.584             | 2.628                 | 2.703               | 1.7               |                              |                |          |           |
| Martin Marietta (BFLS)         | 807301             | S36 T50N R34W       | Riverside, MO    | -3/4                       | 2.588             | 2.632                 | 2.706               | 1.7               | January 1, 2005              |                |          |           |
| Martin Marietta (BFLS)         | 807301             | S36 T50N R34W       | Riverside, MO    | -5/16                      | 2.555             | 2.615                 | 2.717               | 2.4               | January 1, 2005              |                |          |           |
| Martin Marietta (BFLS)         | 808103             | S03 T46N R31E       | Greenwood MO     | -3/4, -3/8                 | 2.604             | 2.646                 | 2.718               | 1.7               | January 1, 2005              |                | 37.59893 | 96.17162  |
| Martin Marietta (EVCK)         | 802244             | S23 T28S R11E       | Elk Co.          | -1"                        | 2.502             | 2.568                 | 2.677               | 2.6               | January 1, 2016              |                |          |           |
| Martin Marietta (EVCK)         | 802244             | S23 T28S R11E       | Elk Co.          | 1/4"chips                  | 2.426             | 2.536                 | 2.724               | 4.5               | February 1, 2007             |                | 37.59893 | 96.17162  |
| Martin Marietta (EVCK)         | 802244             | S23 T28S R11E       | Elk Co.          | CS-1(-1"), CS-2, 1/2"chips | 2.514             | 2.581                 | 2.730               | 2.7               | February 1, 2007             |                | 37.59893 | 96.17162  |
| Martin Marietta (EVCK)         | 802244             | S23 T28S R11E       | Elk Co.          | mansand                    | 2.475             | 2.559                 | 2.701               | 3.4               | February 1, 2007             |                |          |           |
| Martin Marietta (unkwn)        | 802244             | S23 T28S R11E       | Elk Co.          | 1/4" Chips                 | 2.449             | 2.533                 | 2.674               | 3.4               | May 1, 2016                  |                |          |           |
| Martin Marietta (unkwn)        | 802244             | S23 T28S R11E       | Elk Co.          | 3/4"                       | 2.513             | 2.580                 | 2.692               | 2.5               | May 1, 2016                  |                |          |           |
| Meier's Sand                   | 806801             | S29 T11S R15E       | Shawnee Co.      |                            | 2.510             | 2.550                 | 2.610               | 1.6               |                              |                |          |           |
| Meridian Agg.                  | 808701             | S20 T02S R05E       | Mill Creek, OK   |                            | 2.636             | 2.646                 | 2.663               | 0.4               | April 1, 2001                |                |          |           |
| Meridian Agg.                  | 833902             | S13 T02N R18W       | Kiowa Co, OK     |                            | 2.600             | 2.604                 | 2.611               | 0.2               | April 1, 2001                |                |          |           |
| Mid-States Materials           | 800302             | S01 T23S R19E       | Anderson Co.     | -3/4"                      | 2.577             | 2.627                 | 2.712               | 1.9               | August 1, 2014               |                |          |           |
| Mid-States Materials           | 843501             | S21 T15 R16E        | Osage Co.        |                            | 2.529             | 2.585                 | 2.680               | 2.2               | December 1, 2004             |                |          |           |
| Mid-States Materials (CPCK)    | 826101             | S08 T15S R22E       | Johnson Co. KS   | -1"                        | 2.498             | 2.574                 | 2.704               | 3.1               | February 1, 2017             |                |          |           |
| Mid-States Materials (EVCK)    | 802433             | S23 T12S R17E       | Douglas Co.      |                            | 2.488             | 2.568                 | 2.705               | 3.3               | January 1, 2008              |                |          |           |
| Mid-States Materials (EVCK)    | 843505             | S26 T12S R17E       | Douglas Co.      |                            | 2.510             | 2.582                 | 2.704               | 2.9               | May 1, 2014                  |                |          |           |

## February 2019 LETTING PROCEDURE I SPECIFIC GRAVITIES

| Producer                             | CMS ID<br>Producer | Legal Description | Location             | Products            | Bulk Dry<br>(Gsb) | Saturated<br>Surf Dry | Apparent | Percent<br>Absorb | Date Modified<br>or Verified | Chat or<br>SSG | Latitude | Longitude |
|--------------------------------------|--------------------|-------------------|----------------------|---------------------|-------------------|-----------------------|----------|-------------------|------------------------------|----------------|----------|-----------|
| Mid-States Materials (FRLY)          | 826101             | S08 T15S R22E     | Johnson Co. KS       | -3/4"               | 2.562             | 2.623                 | 2.727    | 2.2               | June 1, 2015                 |                |          |           |
| Mid-States Materials (OWZK)          | 802433             | S23 T12S R17E     | Douglas Co.          | CS-1                | 2.523             | 2.609                 | 2.761    | 3.4               | September 1, 2010            |                |          |           |
| Mid-States Materials (OZWK)          | 843505             | S26 T12S R17E     | Douglas Co.          |                     | 2.562             | 2.627                 | 2.739    | 2.5               | October 1, 2015              |                |          |           |
| Mid-States Materials (OZWK)          | 843507             | S26 T12S R17E     | Douglas Co.          |                     | 2.536             | 2.605                 | 2.724    | 2.7               | November 1, 2016             |                |          |           |
| Mid-States Materials (RKBF)          | 843503             | S21 T15 R16E      | Osage Co.            |                     | 2.636             | 2.667                 | 2.725    | 1.2               | August 1, 2015               |                |          |           |
| Mid-States Materials (RKBF)          | 843503             | S21 T15S R16E     | Osage Co.            | CS-1                | 2.646             | 2.674                 | 2.722    | 1.1               | January 1, 2013              |                |          |           |
| Mid-States Materials (RKBF)          | 843505             | S26 T12S R17E     | Douglas Co.          |                     | 2.586             | 2.634                 | 2.736    | 1.8               | November 1, 2015             |                |          |           |
| Mid-States Materials (SPGH)          | 803507             | S12 T23S R17E     | Anderson Co.         | -3/4"               | 2.515             | 2.586                 | 2.707    | 2.8               | June 1, 2015                 |                | 38.05424 | 95.48704  |
| Mid-States Materials (WKRS and BLGM) | 800403             | S33 T27S R10E     | Greenwood Co.        |                     | 2.449             | 2.543                 | 2.705    | 3.9               | November 1, 2015             |                |          |           |
| Midwest Concrete                     | 817102             | S16 T10S R10E     | Wamego (Wabunsee Co) |                     | 2.523             |                       |          |                   |                              |                |          |           |
| Midwest Concrete                     | 818601             | S31 T10S R08E     | Riley Co.            |                     | 2.570             | 2.598                 | 2.645    | 1.1               | July 1, 2010                 | S              |          |           |
| Midwest Concrete                     |                    |                   | Riley Co.            |                     | 2.548             | 2.575                 | 2.624    | 1.2               |                              |                |          |           |
| Midwest Minerals                     | 801703             | S31 T27S R24E     | Crawford Co.         |                     | 2.507             | 2.577                 | 2.695    | 2.6               | June 1, 2002                 |                |          |           |
| Midwest Minerals                     | 801705             | S06 T35S R21E     | Labette Co.          | Mansand             | 2.502             | 2.578                 | 2.708    | 3.0               | March 1, 2008                |                |          |           |
| Midwest Minerals                     | 801712             | S27 T30S R15E     | Neodesha             |                     | 2.579             | 2.630                 | 2.710    | 1.8               |                              |                |          |           |
| Midwest Minerals                     | 801713             | S13 T27S R16E     | Wilson Co.           |                     | 2.528             | 2.588                 | 2.690    | 2.4               | May 1, 2003                  |                |          |           |
| Midwest Minerals                     | 801714             | S18 T29S R16E     | Altoona              |                     | 2.515             | 2.580                 | 2.720    | 3.3               |                              |                |          |           |
| Midwest Minerals                     | 801715             | S02 T28S R15E     | Benedict             |                     | 2.530             | 2.600                 | 2.710    | 2.6               |                              |                |          |           |
| Midwest Minerals                     | 801716             | S09 T30N R30W     | Barton Co, MO        |                     | 2.630             | 2.655                 | 2.699    | 1.0               | December 1, 2002             |                |          |           |
| Midwest Minerals                     | 801717             | S36 T29S R14E     | Fredonia             |                     | 2.540             | 2.600                 | 2.710    | 2.4               |                              |                |          |           |
| Midwest Minerals                     | 801721             | S1(12) T28N R23E  | Ottawa Co., OK       |                     | 2.476             | 2.540                 | 2.660    | 3.3               |                              |                |          |           |
| Midwest Minerals                     |                    |                   | South Mound          |                     | 2.562             |                       |          |                   |                              |                |          |           |
| Midwest Minerals                     |                    |                   | Jasper, MO           |                     | 2.488             |                       |          |                   |                              |                | 37.26709 | 95.76585  |
| Midwest Minerals (CPCK)              | 801709             | S16 T32S R15E     | Montgomery Co.       |                     | 2.558             | 2.615                 | 2.712    | 2.2               | May 1, 2010                  |                | 37.53576 | 95.32940  |
| Midwest Minerals (WNRS)              | 801708             | S22 T31S R17E     | Montgomery Co.       | 3/4", Chips, Scrngs | 2.530             | 2.598                 | 2.716    | 2.7               | March 1, 2015                |                | 37.33814 | 95.53600  |
| Midwest Minerals (WNRS)              | 801711             | S09 T29S R19E     | Neosho Co.           | CS-1, CS-1A         | 2.456             | 2.543                 | 2.690    | 3.6               | November 1, 2010             |                | 37.53576 | 95.32940  |
| Midwest Minerals (WNRS)              | 801711             | S09 T29S R19E     | Neosho Co.           | Mansand (CS-2)      | 2.487             | 2.575                 | 2.726    | 3.5               | November 1, 2010             |                | 37.53553 | 95.32708  |
| Midwest Minerals (WNRS)              | 801711             | S09 T29S R19E     | Neosho Co.           | CS-1 (3/4)          | 2.517             | 2.588                 | 2.708    | 2.8               | September 1, 2006            |                | 37.53553 | 95.32708  |
| Midwest Minerals (WNRS)              | 801711             | S09 T29S R19E     | Neosho Co.           | CS-1A 1/2 chips)    | 2.454             | 2.544                 | 2.686    | 3.5               | September 1, 2006            |                | 37.04469 | 95.52620  |
| Midwest Minerals (AMRT)              | 801707             | S34 T34S R17E     | Montgomery Co.       | CS-1, CS-1A         | 2.528             | 2.595                 | 2.710    | 2.6               | August 1, 2010               |                | 37.27630 | 95.27959  |
| Midwest Minerals (CPCK)              | 801709             | S09 T32S R15E     | Montgomery Co.       | CS-1, CS-1a         | 2.578             | 2.634                 | 2.732    | 2.2               | November 1, 2014             |                | 37.26981 | 95.76734  |
| Midwest Minerals (WRLD)              | 801707             | S34 T34S R17E     | Montgomery Co.       |                     | 2.437             | 2.534                 | 2.698    | 4.0               | July 1, 2014                 |                | 37.04494 | 95.52790  |
| Midwest Minerals (WRLD)              | 801719             | S12 T32S R19E     | Labette Co.          | CS-1, CS-1A         | 2.584             | 2.632                 | 2.715    | 1.9               | December 1, 2007             |                |          |           |
| Midwest Materials                    | 806302             | S07 T03S R05E     | Washington Co.       |                     | 2.557             | 2.581                 | 2.621    | 1.0               | August 1, 2009               | S              |          |           |
| Mueller Sand (Midwest)               | 806302             | S07 T03S R05E     | Washington Co.       |                     | 2.543             | 2.580                 | 2.630    | 1.1               |                              |                |          |           |
| Mulberry Limestone                   |                    |                   | Crawford Co.         |                     | 2.551             | 2.610                 | 2.710    | 2.4               |                              |                |          |           |
| N.A.P. Co (AMZN)                     | 802439             | S28 T59N R35W     | Andrew Co. MO        | CS-1                | 2.615             | 2.664                 | 2.748    | 1.9               | July 1, 2007                 |                |          |           |
| N.A.P. Co (KRFD)                     | 802439             | S28 T59N R35W     | Andrew Co. MO        |                     | 2.596             | 2.641                 | 2.718    | 1.7               | July 1, 2014                 |                |          |           |
| Nelson Quarries                      | 800107             | S25 T30S R15E     | Wilson Co.           |                     | 2.585             | 2.640                 | 2.720    | 2.1               | May 1, 2000                  |                |          |           |
| Nelson Quarries                      | 800115             | S20 T30S R24E     | Crawford Co.         |                     | 2.549             | 2.610                 | 2.700    | 2.4               |                              |                |          |           |
| Nelson Quarries                      | 800116             | S24 T21S R15E     | Coffey Co.           |                     | 2.430             |                       |          |                   |                              |                |          |           |
| Nelson Quarries                      | 800117             | S15 T31S R17E     | Montgomery Co.       | CS-1, CS-1A         | 2.505             | 2.582                 | 2.714    | 3.0               | September 1, 2003            |                |          |           |
| Nelson Quarries                      | 800118             | S25 T24S R20E     | Allen Co.            |                     | 2.499             | 2.575                 | 2.705    | 3.1               | May 1, 2000                  |                |          |           |
| Nelson Quarries                      | 800119             | S20 T23S R19E     | Allen Co.            |                     | 2.562             | 2.614                 | 2.705    | 3.0               | May 1, 2000                  |                |          |           |
| Nelson Quarries                      | 800120             | S17T25SR24E       | Bourbon Co.          |                     | 2.545             | 2.570                 | 2.662    | 2.2               | July 1, 2001                 |                |          |           |
| Nelson Quarries                      | 800125             | S34 T19S R14E     | Coffey Co.           |                     | 2.529             | 2.606                 | 2.741    | 3.1               | December 1, 2006             |                |          |           |
| Nelson Quarries                      | 808901             | S05 T28N R24E     | Ottawa Co., OK       |                     | 2.623             | 2.640                 | 2.700    | 1.4               |                              |                |          |           |
| Nelson Quarries                      |                    |                   | Woodson Co.          |                     | 2.555             | 2.615                 | 2.723    | 2.5               |                              |                | 37.73467 | 95.06667  |



## February 2019 LETTING PROCEDURE I SPECIFIC GRAVITIES

| Producer                            | CMS ID<br>Producer | Legal Description | Location           | Products    | Bulk Dry<br>(Gsb) | Saturated<br>Surf Dry | Percent<br>Apparent | Percent<br>Absorb | Date Modified<br>or Verified | Chat or<br>SSG | Latitude | Longitude |
|-------------------------------------|--------------------|-------------------|--------------------|-------------|-------------------|-----------------------|---------------------|-------------------|------------------------------|----------------|----------|-----------|
| Nelson Quarries (BFLS)              | 800126             | S17 T25S R24E     | Bourbon Co.        |             | 2.576             | 2.623                 | 2.702               | 1.8               | September 1, 2009            |                | 38.18572 | 95.25097  |
| Nelson Quarries (SPGH)              | 805108             | S30 T21S R20E     | Anderson Co.       | 3/4         | 2.531             | 2.594                 | 2.703               | 2.5               | June 1, 2011                 |                | 37.64887 | 95.71446  |
| Nelson Quarries (STNR)              | 800110             | S36 T27S R15E     | Wilson Co.         |             | 2.541             | 2.613                 | 2.716               | 2.5               | September 1, 2009            |                |          |           |
| Nelson Quarries (TRNT)              | 801924             | S26 T25S R13E     | Woodson Co.        | -3/4" CS-1  | 2.590             | 2.646                 | 2.742               | 2.1               | January 1, 2016              |                |          |           |
| Nelson Quarries (TRNT)              | 801924             | S26 T25S R13E     | Woodson Co.        | -1/2" CS-1A | 2.550             | 2.617                 | 2.732               | 2.6               | October 1, 2015              |                |          |           |
| Nelson Quarries (TRNTY)             | 801508             | S11 T24S R15E     | Woodson Co.        | CS-1, CS-1A | 2.588             | 2.644                 | 2.741               | 2.2               | October 1, 2004              |                |          |           |
| Nickerson Sand                      |                    |                   | Reno Co.           |             | 2.550             |                       |                     |                   |                              |                |          |           |
| Olathe Aggregates                   | 831101             | S16 T14S R23E     | Johnson Co. KS     |             | 2.559             | 2.620                 | 2.710               | 2.1               |                              |                |          |           |
| Overton Sand & Gravel               |                    |                   | Overton, NE        |             | 2.560             | 2.590                 | 2.610               | 0.7               |                              |                |          |           |
| Paulsen                             | 824501             | S20 T09N R21W     | Lexington NE       |             | 2.585             |                       | 2.612               | 0.6               |                              | S              |          |           |
| Paulsen Sand & Gr.                  | 824301             | S19 T03N R30W     | Red Willow Co., NE |             | 2.502             | 2.542                 | 2.609               | 1.6               | March 1, 2001                | S              |          |           |
| Paulsen Sand & Gr.                  | 824503             | S13 T03N R28W     | Red Willow Co., NE |             | 2.510             | 2.544                 | 2.610               | 1.6               | January 1, 2010              | S              | 40.22425 | 100.42759 |
| Penny's Conc. (CPCK)                | 800309             | S23 T16S R20E     | Franklin Co.       |             | 2.542             | 2.601                 | 2.700               | 2.3               | October 1, 2013              |                | 38.64124 | 95.15901  |
| Penny's Conc. (SPGH)                | 800309             | S23 T16S R20E     | Franklin Co.       |             | 2.521             | 2.589                 | 2.705               | 2.7               | February 1, 2016             |                | 38.64257 | 95.15931  |
| Penny's Conc. (STNR)                | 800309             | S23 T16S R20E     | Franklin Co.       |             | 2.549             | 2.596                 | 2.675               | 1.9               | February 1, 2012             |                | 38.64302 | 95.15793  |
| Penny's Conc., Inc.                 | 826802             | S26 T12S R20E     | Douglas Co.        |             | 2.540             | 2.580                 | 2.630               | 1.3               | May 1, 2000                  |                |          |           |
| Pioneer                             | 823601             | S9/13BLKCKB-3     | Borger TX          |             | 2.590             |                       |                     |                   |                              |                |          |           |
| Pioneer (Western S and G)           | 826601             | S69-BLK G&M       | Boys Ranch, TX     |             | 2.596             |                       |                     |                   |                              | S              |          |           |
| Popejoy Const., Inc.                | 812809             | S03 T25S R36W     | Kearny Co.         |             | 2.572             | 2.591                 | 2.635               | 1.0               | December 1, 2004             |                |          |           |
| Popejoy Const., Inc.                | 812809             | S03 T25S R36W     | Kearny Co.         |             | 2.551             | 2.580                 | 2.640               | 1.4               |                              |                |          |           |
| Poudre-Tech                         | 832901             | S28 T06N R67W     | Windsor, Co        |             | 2.595             | 2.615                 | 2.650               | 0.9               |                              | S              |          |           |
| Quik Sand                           | 820101             | S30 T26S R01E     | Sedgewick Co.      |             | 2.540             | 2.565                 | 2.605               | 1.0               | September 1, 2002            | S              |          |           |
| Quik Sand                           | 820103             | S23 T26S R01W     | Sedgewick Co.      |             | 2.556             | 2.579                 | 2.616               | 0.9               | August 1, 2006               | S              |          |           |
| Quik Sand                           | 820104             | S34 T28S R01E     | Sedgewick Co.      |             | 2.532             | 2.568                 | 2.628               | 1.4               | August 1, 2006               |                |          |           |
| Randall Sand                        |                    |                   | Ford, KS           |             | 2.545             |                       |                     |                   |                              | S              |          |           |
| RBK Const. (Basalt)                 | 848701             | S07 T33S R50W     | Baca Co. CO        |             | 2.678             | 2.734                 | 2.837               | 2.0               | February 1, 2017             |                |          |           |
| Ritchie Sand                        | 819301             | S35 T26S R01W     | Sedgewick Co.      |             | 2.561             |                       |                     |                   | December 1, 2002             |                |          |           |
| Sedan Limestone                     | 801601             | S33 T33S R11E     | Chautauqua Co.     |             | 2.525             | 2.580                 | 2.700               | 2.8               |                              |                |          |           |
| Shawnee Rock (Argentine Ledge)      | 803705             | S10 T14S R23E     | Johnson Co.        | -3/4"       | 2.597             | 2.645                 | 2.728               | 1.8               | April 1, 2005                |                |          |           |
| Shawnee Rock (Argentine Ledge)      | 803706             | S12 T12S R23E     | Johnson Co.        |             | 2.519             | 2.590                 | 2.711               | 2.8               | May 1, 2005                  |                |          |           |
| Shawnee Rock (Argentine Ledge)      |                    |                   | Olathe Kansas      |             | 2.586             | 2.640                 | 2.730               | 2.1               |                              |                | 39.03472 | 94.81045  |
| Shawnee Rock (ARGN Ledge)           | 803701             | S01 T12S R23E     | Johnson Co.        |             | 2.557             | 2.612                 | 2.703               | 2.1               | July 1, 2006                 |                | 38.85213 | 94.84732  |
| Shawnee Rock (ARGN Ledge)           | 803705             | S10 T14S R23E     | Johnson Co.        | -3/4"       | 2.585             | 2.636                 | 2.725               | 2.0               | September 1, 2008            |                |          |           |
| Shawnee Rock (Captains Creek Ledge) | 803705             | S10 T14S R23E     | Johnson Co.        |             | 2.538             | 2.607                 | 2.728               | 2.7               | June 1, 2003                 |                | 38.85159 | 94.84868  |
| Shawnee Rock (CPCK Ledge)           | 803705             | S10 T14S R23E     | Johnson Co.        |             | 2.561             | 2.621                 | 2.724               | 2.4               | October 1, 2009              |                | 39.02871 | 94.80701  |
| Shawnee Rock (DRUM Ledge)           | 803701             | S01 T12S R23E     | Johnson Co.        |             | 2.561             | 2.621                 | 2.726               | 2.4               | August 1, 2009               |                | 38.85158 | 94.84464  |
| Shawnee Rock (Farley Ledge)         | 803705             | S10 T14S R23E     | Johnson Co.        |             | 2.624             | 2.661                 | 2.724               | 1.4               | September 1, 2007            |                |          |           |
| Shawnee Rock (Farley Ledge)         |                    |                   | Olathe Kansas      |             | 2.618             | 2.640                 | 2.710               | 1.8               |                              |                | 39.02928 | 94.80807  |
| Shawnee Rock (LFRLY Ledge)          | 803701             | S01 T12S R23E     | Johnson Co.        |             | 2.503             | 2.585                 | 2.726               | 3.3               | September 1, 2008            |                |          |           |
| Shawnee Rock (RYTN Ledge)           | 803701             | S01 T12S R23E     | Johnson Co.        |             | 2.592             | 2.650                 | 2.754               | 2.3               | October 1, 2006              |                |          |           |
| Shawnee Rock (RYTN Ledge)           | 803703             | S06 T12S R24E     | Johnson Co.        | -3/4        | 2.586             | 2.651                 | 2.764               | 2.5               | May 1, 2004                  |                | 38.85145 | 94.84608  |
| Shawnee Rock (Springhill Ledge)     | 803705             | S10 T14S R23E     | Johnson Co.        | -3/4"       | 2.518             | 2.598                 | 2.738               | 3.2               | May 1, 2007                  |                | 38.85153 | 94.84715  |
| Shawnee Rock (STNR Ledge)           | 803705             | S10 T14S R23E     | Johnson Co.        |             | 2.566             | 2.621                 | 2.716               | 2.1               | July 1, 2006                 |                |          |           |
| Shawnee Rock (Stoner Ledge)         | 803705             | S10 T14S R23E     | Johnson Co.        |             | 2.530             | 2.595                 | 2.707               | 2.6               | January 1, 2002              | S              |          |           |
| Smith Sand                          | 810503             | S14 T24S R33W     | Finney Co.         |             | 2.560             | 2.580                 | 2.630               | 1.1               | January 1, 2000              | S              |          |           |
| Smith Sand                          | 810506             | S14 T24S R37W     | Kearny Co.         |             | 2.542             | 2.572                 | 2.621               | 1.2               | April 1, 2002                | S              |          |           |
| Smith Sand                          | 810516             | S30 T23S R42W     | Hamilton County    |             | 2.552             | 2.590                 | 2.662               | 1.7               | April 1, 2003                |                |          |           |
| Southeast Sand                      | 817801             | S20 T23S R05W     | Reno Co.           |             | 2.540             | 2.570                 | 2.610               | 1.1               |                              |                |          |           |
| Southway                            | 835201             | S07 T26N R36E     | Clayton NM         | 1/2"        | 2.773             |                       |                     | 1.7               | May 1, 2003                  |                |          |           |

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| Producer                         | CMS ID   | Legal Description | Location              | Products             | Bulk Dry | Saturated | Percent | Date Modified | Chat or           | Latitude | Longitude |          |
|----------------------------------|----------|-------------------|-----------------------|----------------------|----------|-----------|---------|---------------|-------------------|----------|-----------|----------|
|                                  | Producer |                   |                       |                      | (Gsb)    | Surf Dry  |         |               |                   |          |           | Apparent |
| Southway                         | 835201   | S07 T26N R36E     | Clayton NM            | 1"                   | 2.680    | 2.724     | 2.820   | 2.0           | March 1, 2003     |          | 93.22149  | 37.22456 |
| Springfield Underground (BLTN)   | 807001   | S10 T29N R21W     | Greene Co. MO         | 5/16" chips          | 2.631    | 2.656     | 2.698   | 0.9           | June 1, 2011      | S        |           |          |
| Sterling Sand                    | 818301   | S04 T22S R08W     | Rice Co.              |                      | 2.550    | 2.593     | 2.633   | 0.9           | January 1, 2000   | S        |           |          |
| Stone Sand                       | 810201   | S32 T19S R13W     | Barton Co.            |                      | 2.552    | 2.580     | 2.624   | 1.1           | January 1, 2000   |          |           |          |
| Sunflower Sand                   | 818101   | S23 T21S R09W     | Rice Co.              |                      | 2.535    | 2.560     | 2.600   | 0.9           |                   |          |           |          |
| T&F Sand/Gravel                  | 824902   | S08 T08N R18W     | Buffalo Co. NE        |                      | 2.588    | 2.603     | 2.630   | 0.7           | October 1, 2009   | S        |           |          |
| Trager LS BFLS                   | 847701   | S06 T57N R26W     | Caldwell Co. MO       |                      | 2.541    | 2.593     | 2.669   | 2.0           | July 1, 2014      |          |           |          |
| TXI                              | 840402   | S26 T02S R04E     | Johnston Co., OK      |                      | 2.772    | 2.797     | 2.842   | 0.9           | February 1, 2014  |          | 34.35341  | 96.85979 |
| Venture                          | 810120   | S15 T29S R15W     | Pratt Co.             |                      | 2.570    | 2.595     | 2.634   | 1.0           | April 1, 2012     | S        |           |          |
| Versatile Construction           | 848201   | S17 T35N R26W     | Union Co. NM          |                      | 2.702    | 2.761     | 2.869   | 2.1           | April 1, 2016     |          |           |          |
| VJ Stone                         | 844601   | S25 T06N R14W     | Kiowa Co.             |                      | 2.678    | 2.695     | 2.726   | 0.7           | March 1, 2008     |          |           |          |
| Wade Limestone                   | 805004   | S28 T18S R25E     | Miami Co.             |                      | 2.527    | 2.587     | 2.689   | 2.4           | September 1, 2005 |          |           |          |
| Wade Limestone                   | 805007   | S32 T19S R23E     | Linn Co.              |                      | 2.493    | 2.574     | 2.714   | 3.3           | December 1, 2002  |          |           |          |
| Wade Limestone                   |          | S01 T13S R18E     | Douglas Co.           |                      | 2.463    | 2.552     | 2.705   | 3.6           |                   |          | 38.37882  | 94.67535 |
| Wade Limestone (BFLS)            | 805009   | S20 T19S R25E     | Linn Co.              |                      | 2.486    | 2.568     | 2.709   | 3.3           | April 1, 2005     |          | 38.37957  | 94.67730 |
| Wade Limestone (WNRS)            | 805002   | S20 T19S R25E     | Linn Co.              | CS-1A, CS-2, Mansand | 2.495    | 2.575     | 2.709   | 3.2           | December 1, 2014  |          | 38.37638  | 94.67629 |
| Wade Limestone (WNRS)            | 805007   | S32 T19S R23E     | Linn Co.              | CS-1, CS-1A          | 2.563    | 2.610     | 2.703   | 2.1           | May 1, 2016       |          | 38.35178  | 94.89546 |
| Wade Limestone (WNRS)            | 805007   | S32 T19S R23E     | Linn Co.              | Screenings           | 2.485    | 2.571     | 2.721   | 3.5           | May 1, 2016       |          | 38.35178  | 94.89546 |
| Wade Quarries (SPGH)             | 805011   | S16 T20S R20E     | Anderson Co.          | -3/4"                | 2.436    | 2.519     | 2.658   | 3.4           | July 1, 2013      |          | 38.31148  | 95.20013 |
| Wamego Sand                      |          | S33 T10S R07E     | Riley Co.             |                      | 2.535    | 2.570     | 2.630   | 1.5           |                   |          |           |          |
| Wes-Kan Construction             | 808303   | S30 T15S R18W     | Ellis Co.             |                      | 2.580    | 2.605     | 2.640   | 0.8           |                   |          |           |          |
| Western Resources                |          |                   | St. Mary's Bottom Ash |                      | 2.559    | 2.627     | 2.734   | 2.4           |                   |          |           |          |
| Whitaker                         | 800205   | S12 T34S R07E     | Cowley Co.            | Screenings/buckshot  | 2.456    | 2.548     | 2.704   | 3.7           | June 1, 2006      |          |           |          |
| Whitaker                         | 800205   | S12 T34S R07E     | Cowley Co.            | 1/2" chips           | 2.480    | 2.559     | 2.695   | 3.2           | February 1, 2007  |          | 37.25346  | 96.53782 |
| Whitaker                         | 802444   | S21 T32S R08E     | Cowley Co.            | CS-1, CS-1A          | 2.490    | 2.561     | 2.681   | 2.9           | October 1, 2015   |          |           |          |
| Whitaker                         | 802444   | S21 T32S R08E     | Cowley Co.            | CS-2                 | 2.491    | 2.562     | 2.681   | 2.8           | March 1, 2007     |          |           |          |
| Whitaker (CPK/SP)                | 800201   | S01 T20S R19E     | Anderson Co.          | -3/4 (W4)            | 2.477    | 2.564     | 2.712   | 3.5           | March 1, 2013     |          | 38.34611  | 95.25411 |
| Whitaker (CPK/SP)                | 800201   | S01 T20S R19E     | Anderson Co.          | 1/2" chips (W3)      | 2.509    | 2.586     | 2.717   | 3.0           | September 1, 2012 |          | 38.34611  | 95.25411 |
| Whitaker (CPK/SP)                | 800201   | S01 T20S R19E     | Anderson Co.          | mansand              | 2.450    | 2.549     | 2.719   | 4.0           | September 1, 2012 |          | 38.34611  | 95.25411 |
| Whitaker (Mound City) BFLS Ledge | 800208   | S19 T22S R24E     | Linn Co.              | 3/4", Mansand        | 2.509    | 2.568     | 2.666   | 2.4           | October 1, 2013   |          | 38.11569  | 94.81990 |
| Whitaker (Mound City) BFLS Ledge | 800208   | S19 T22S R24E     | Linn Co.              | Screenings           | 2.428    | 2.509     | 2.643   | 3.4           | October 1, 2013   |          | 38.11569  | 94.81990 |
| Whitaker (Savonburg) BFLS Ledge  | 800208   | S19 T22S R24E     | Linn Co.              | 1/2" Chips           | 2.448    | 2.517     | 2.629   | 2.8           | November 1, 2013  |          | 38.11569  | 94.81991 |
| Whitaker (SNBD/ST)               | 800304   | S32 T21S R19E     | Anderson Co.          | -3/4"                | 2.550    | 2.606     | 2.700   | 2.2           | February 1, 2015  |          | 38.17306  | 95.22595 |
| Whitaker NEVA                    | 800205   | S12 T34S R07E     | Cowley Co.            |                      | 2.550    | 2.603     | 2.692   | 2.1           | July 1, 2013      |          | 37.10905  | 96.61957 |
| White                            |          |                   | Kanopolis             |                      | 2.560    | 2.603     | 2.675   | 1.7           |                   |          |           |          |
| Whitfield Sand                   | 813401   | S20 T26S R26W     | Dodge City (Howell)   |                      | 2.550    | 2.580     | 2.630   | 1.2           |                   | S        |           |          |
| Whitfield Sand                   | 813411   | S20 T21S R07W     | Rice Co.              |                      | 2.557    | 2.583     | 2.624   | 1.0           | February 1, 2002  |          |           |          |
| Whitfield Sand                   |          |                   | Pratt Pit             |                      | 2.550    |           |         |               |                   |          |           |          |
| Whitfield Sand                   |          |                   | Sawyer Pit            |                      | 2.510    |           |         |               |                   |          |           |          |
| Whitfield Sand (Shears/Ventures) |          | S20 T21S R15W     | Pawnee County         |                      | 2.554    | 2.576     | 2.613   | 0.9           |                   |          |           |          |
| Whitney Sand & Gr.               | 824402   | S32 T03N R32W     | Hitchcock Co., NE     |                      | 2.520    | 2.560     | 2.610   | 1.2           |                   |          |           |          |
| Ysidro Sand                      | 847401   | S25T29SR01E       | Sedgwick County       |                      | 2.540    | 2.569     | 2.615   | 1.1           | March 1, 2013     | S        |           |          |

**February 2019 LETTING  
PROCEDURE II SPECIFIC GRAVITIES**

| Producer                     | CMS ID   | Legal Description    | Location            | Products                 | Bulk Dry | Saturated | Percent | Date Modified | Chat or           | Latitude | Longitude |          |
|------------------------------|----------|----------------------|---------------------|--------------------------|----------|-----------|---------|---------------|-------------------|----------|-----------|----------|
|                              | Producer |                      |                     |                          | (Gsb)    | Surf Dry  |         |               |                   |          |           | Absorb   |
| Allied Inc                   | 811604   | S25 T15S R19W        | Ellis Co            |                          | 2.621    | 2.629     | 2.650   | 0.4           | November 1, 2015  | S        |           |          |
| Alsop                        | 811105   | S27 T05S R03W        | Cloud Co.           |                          | 2.610    | 2.619     | 2.634   | 0.4           | October 1, 2018   | S        |           |          |
| Alsop                        | 811107   | S27 T13S R01E        | Dickinson Co.       |                          | 2.612    | 2.629     | 2.656   | 0.6           | July 1, 2017      | S        |           |          |
| Alsop                        | 811114   | S05 T04S R04W        | Republic Co.        |                          | 2.597    | 2.610     | 2.629   | 0.5           | August 1, 2017    | S        | 39.73909  | 97.78814 |
| APAC Kansas                  | 826003   | S14 T12S R08W        | Lincoln Co.         |                          | 2.610    | 2.638     | 2.684   | 1.1           | July 1, 2018      |          |           |          |
| APAC-Shears                  | 801934   | S21 T23S R05W        | Reno Co.            |                          | 2.597    | 2.609     | 2.621   | 0.4           | June 1, 2018      | S        |           |          |
| APAC-Shears                  | 831401   | S35 T27S R01W        | Sedgwick County     |                          | 2.604    | 2.618     | 2.639   | 0.5           | November 1, 2014  | S        |           |          |
| APAC-Shears (HRFD)           | 801935   | S02 T21S R13E        | Coffey Co.          |                          | 2.576    | 2.631     | 2.726   | 2.1           | July 1, 2017      |          |           |          |
| Associated                   | 819904   | S12 T30S R01E        | Sumner County       |                          | 2.594    | 2.612     | 2.642   | 0.7           | July 1, 2018      | S        |           |          |
| Associated                   | 819905   | S14 T26S R01W        | Sedgwick County     |                          | 2.600    | 2.616     | 2.642   | 0.6           | October 1, 2018   | S        |           |          |
| Bayer Const. Co. (TRKO)      | 802414   | S33 T11S R09E        | Riley Co.           |                          | 2.555    | 2.611     | 2.706   | 2.2           | October 1, 2018   |          |           |          |
| Bayer Const. Co. (TRKO)      | 802445   | S04 T11S R09E        | Riley Co.           | 1/4" Screenings, Mansand | 2.547    | 2.615     | 2.732   | 2.7           | January 1, 2019   |          |           |          |
| Bayer Const. Co. (TRKO)      | 802449   | S03 T11S R09E        | Riley Co.           |                          | 2.485    | 2.564     | 2.699   | 3.3           | January 1, 2018   |          |           |          |
| Beyer Crushed Rock Co (BFLS) | 806901   | S26 T45N R33W        | Cass Co. MO         |                          | 2.571    | 2.619     | 2.701   | 1.9           | May 1, 2018       |          |           |          |
| Bingham (Blue Gooses Pile)   | 821803   | S30 T29N R23E        | Ottawa Co. OK       |                          | 2.543    | 2.585     | 2.656   | 1.7           | September 1, 2018 | C        | 36.96551  | 94.86425 |
| Bingham (Lawyer Pile)        | 821816   | S28 T29N R23E        | Ottawa Co. OK       |                          | 2.546    | 2.587     | 2.652   | 1.6           | August 1, 2018    | C        | 36.96795  | 94.82484 |
| Bingham (Sooner Pile)        | 821812   | S16 T29N R23E        | Ottawa Co. OK       |                          | 2.521    | 2.576     | 2.668   | 2.2           | September 1, 2018 | C        | 36.99744  | 94.82679 |
| Bladen Sand                  | 823802   | S014 T02N R16W       | Franklin Co. NE     |                          | 2.607    | 2.625     | 2.632   | 0.7           | February 1, 2015  | S        |           |          |
| Blue River Sand              | 805404   | S25 T04S R06E        | Marshall Co.        |                          | 2.590    | 2.625     | 2.650   | 1.6           | October 1, 2018   | S        |           |          |
| Builders Choice              | 820603   | S23 T11S R16E        | Shawnee Co.         | SSG                      | 2.608    | 2.621     | 2.648   | 0.6           | July 1, 2014      | S        |           |          |
| Builders Choice              | 845601   | S20 T11S R15E        | Shawnee Co.         | SSG                      | 2.596    | 2.611     | 2.637   | 0.6           | July 1, 2017      | S        |           |          |
| Central Sand                 | 848601   | S22 T26S R01W        | Sedgwick County     | SSG                      | 2.610    | 2.621     | 2.635   | 0.4           | December 1, 2018  | S        |           |          |
| Concrete Enterprise          | 813403   | S04 T28S R13W        | Pratt Co.           |                          | 2.603    | 2.617     | 2.639   | 0.5           | November 1, 2018  | S        |           |          |
| Cornejo & Sons               | 819304   | S02 T27S R01W        | Sedgwick Co.        |                          | 2.621    | 2.627     | 2.636   | 0.2           | July 1, 2018      | S        |           |          |
| Cornejo & Sons               | 838202   | S06 T32S R03E        | Cowley Co.          |                          | 2.596    | 2.610     | 2.633   | 0.6           | December 1, 2017  | S        |           |          |
| Cornejo Mtls                 | 820103   | S23 T26S R01W        | Sedgwick Co.        | SSG                      | 2.603    | 2.614     | 2.630   | 0.4           | December 1, 2018  | S        |           |          |
| Cornejo Mtls                 | 820104   | S34 T28S R01W        | Sedgwick Co.        | SSG                      | 2.614    | 2.623     | 2.638   | 0.4           | August 1, 2014    | S        |           |          |
| Cornejo Stone                | 801504   | S13 T31S R10E        | Elk Co.             | Mansand                  | 2.495    | 2.575     | 2.712   | 3.0           | February 1, 2018  |          | 37.35270  | 96.28578 |
| Deweese Snd/Grvl             | 825001   | S17 T01N R07W        | Nuckolls Co, NE     |                          | 2.595    | 2.613     | 2.642   | 0.7           | November 1, 2018  | S        |           |          |
| Dodge City Sand              | 813102   | S32 T26S R25W        | Ford Co.            |                          | 2.601    | 2.610     | 2.640   | 0.7           | May 1, 2018       | S        |           |          |
| Eakins Sand                  | 817302   | S08 T22S R16W        | Pawnee Co.          |                          | 2.595    | 2.610     | 2.632   | 0.5           | May 1, 2018       | S        | 38.15791  | 99.11149 |
| Flint Rock Products Pile # 2 | 822503   | SW 1/4 S29 T29N R23E | Ottawa County, OK   |                          | 2.546    | 2.591     | 2.667   | 1.8           | October 1, 2017   | C        | 36.96011  | 94.84968 |
| Granite Mountain             | 838701   | S26 T01N R12W        | Pulaski Co., AR     |                          | 2.604    | 2.615     | 2.633   | 0.4           | April 17, 2017    |          |           |          |
| Gravel and Concrete          | 832701   | S15 T22S R07W        | Reno Co.            |                          | 2.588    | 2.608     | 2.639   | 0.7           | July 1, 2018      | S        |           |          |
| Hamm                         | 800976   | S15 T14S R04E        | Dickinson Co.       |                          | 2.444    | 2.536     | 2.695   | 3.8           | April 1, 2018     |          |           |          |
| Hamm (EVCK)                  | 800977   | S09 T11S R17E        | Jefferson Co.       |                          | 2.503    | 2.575     | 2.699   | 2.9           | May 1, 2018       |          |           |          |
| Hamm (NEVA)                  | 800980   | S11 T07S R10E        | Pottawatomie Co.    |                          | 2.408    | 2.499     | 2.650   | 3.8           | February 5, 2018  |          |           |          |
| Hamm (OZWK)                  | 800977   | S09 T11S R17E        | Jefferson Co.       |                          | 2.623    | 2.640     | 2.764   | 2.3           | May 1, 2018       |          |           |          |
| Hamm (RKBF)                  | 800977   | S09 T11S R17E        | Jefferson Co.       |                          | 2.590    | 2.648     | 2.748   | 2.2           | July 1, 2018      |          |           |          |
| Hamm (STNR)                  | 800907   | S15 T13S R21E        | Douglas Co.         |                          | 2.568    | 2.625     | 2.724   | 2.2           | April 17, 2017    |          |           |          |
| Hard Rock Sand               | 844501   | S31 T26S R25W        | Ford Co.            |                          | 2.617    | 2.661     | 2.655   | 0.8           | April 1, 2016     | S        |           |          |
| Hartford S&G                 | 824802   | S30T10SR08E          | Riley Co.           | SSG                      | 2.594    | 2.606     | 2.624   | 0.4           | August 1, 2018    | S        |           |          |
| Hi-Plains Sand               | CC130704 | S19 T16S R06W        | Ellsworth Co.       |                          | 2.628    | 2.642     | 2.655   | 1.1           | December 1, 2016  | S        | 38.64956  | 98.03405 |
| Holliday Sand                | 815401   | S32 T11S R23E        | Johnson Co.         | SSG                      | 2.597    | 2.610     | 2.631   | 0.5           | December 1, 2017  | S        |           |          |
| Holliday Sand                | 815410   | S16 T17N R14E        | Tulsa Co. OK        | SSG                      | 2.610    | 2.621     | 2.637   | 0.4           | March 1, 2016     | S        | 35.95637  | 95.83234 |
| Holliday Sand                | 815412   | S32 T11S R23E        | Wyandotte Co.       | SSG                      | 2.587    | 2.603     | 2.628   | 0.7           | July 1, 2014      | S        |           |          |
| Holliday Sand Mo. River      | 815404   | S9 T50N R33W         | Riverside, Missouri | SSG                      | 2.606    | 2.621     | 2.646   | 0.6           | May 1, 2018       | S        |           |          |
| Holliday Sand Mo. River      | 815406   | S20 T57N R35W        | Buchanan Co. MO     | SSG                      | 2.604    | 2.615     | 2.634   | 0.5           | August 1, 2018    | S        |           |          |
| Holliday Sand Mo. River      | 815407   | S10 T50N R32W        | Randolph, Missouri  | SSG                      | 2.599    | 2.617     | 2.647   | 0.7           | May 1, 2018       | S        |           |          |

## February 2019 LETTING PROCEDURE II SPECIFIC GRAVITIES

| Producer                         | CMS ID<br>Producer | Legal Description | Location          | Products   | Bulk Dry<br>(Gsb) | Saturated<br>Surf Dry | Apparent | Percent<br>Absorb | Date Modified<br>or Verified | Chat or<br>SSG | Latitude | Longitude |
|----------------------------------|--------------------|-------------------|-------------------|------------|-------------------|-----------------------|----------|-------------------|------------------------------|----------------|----------|-----------|
| Huber                            | 812701             | S21 T24S R32W     | Finney Co.        |            | 2.609             | 2.620                 | 2.640    | 0.4               | January 1, 2018              | S              | 37.95444 | 100.84933 |
| Huber                            | 835801             | S17 T24S R40W     | Hamilton Co.      |            | 2.610             | 2.620                 | 2.630    | 0.3               | December 1, 2017             | S              |          |           |
| Hunt (BFLS underground)          | 803512             | S02 T52N R34W     | Platte Co MO      | Mansand    | 2.593             | 2.637                 | 2.713    | 1.7               | May 1, 2018                  |                |          |           |
| Hunt-Martin Materials (CPCK)     | 800310             | S13 T16S R19E     | Franklin Co.      | Mansand    | 2.479             | 2.569                 | 2.726    | 3.6               | August 1, 2018               |                |          |           |
| Ideker, Inc                      | 835403             | S08 T52N R30W     | Clay Co. MO       |            | 2.566             | 2.617                 | 2.706    | 2.0               | July 1, 2018                 |                |          |           |
| Iron Mountain Trap Rock          | 823701             | S30 T35N R04E     | St Francois Co MO |            | 2.578             | 2.605                 | 2.638    | 0.9               | August 1, 2018               |                |          |           |
| J Corp                           | 808303             | S30 T15S R18W     | Ellis Co.         |            | 2.611             | 2.629                 | 2.626    | 0.7               | May 1, 2014                  | S              | 38.72332 | 99.36835  |
| Johnson County Aggregates ARGN   | 806701             | S09 T14S R23E     | Johnson Co. KS    | Mansand    | 2.573             | 2.631                 | 2.730    | 2.2               | January 1, 2019              |                |          |           |
| Johnson County Aggregates FRLY   | 806701             | S09 T14S R23E     | Johnson Co. KS    | Dust       | 2.537             | 2.607                 | 2.728    | 2.7               | May 1, 2018                  |                |          |           |
| Johnson Sand                     | 818902             | S 05 T15S R02W    | Salina            |            | 2.618             | 2.633                 | 2.658    | 0.6               | November 1, 2015             | S              | 38.78218 | 97.57118  |
| Johnson Sand                     | 818903             | S 32T14S R02W     | Salina            |            | 2.620             | 2.632                 | 2.654    | 0.5               | October 1, 2018              | S              |          |           |
| Kansas Sand                      | 830903             | S21 T11S R14E     | Shawnee Co.       |            | 2.602             | 2.611                 | 2.627    | 0.4               | May 1, 2017                  | S              |          |           |
| Kinsley Redi Mix                 | 835101             | S35 T24S R19W     | Edwards Co.       |            | 2.584             | 2.612                 | 2.657    | 1.0               | September 1, 2014            | S              |          |           |
| Klotz                            | 812605             | S31 T24S R31W     | Finney Co.        |            | 2.602             | 2.618                 | 2.646    | 0.6               | July 1, 2018                 | S              |          |           |
| Klotz                            | 812607             | S02 T25S R36W     | Kearny Co.        |            | 2.592             | 2.602                 | 2.619    | 0.4               | February 1, 2016             | S              |          |           |
| Klotz                            | 814202             | S18 T24S R40W     | Hamilton Co.      |            | 2.586             | 2.604                 | 2.648    | 0.7               | December 1, 2017             | S              |          |           |
| Lakeside S&G                     | 844705             | S03 T02N R33W     | Hitchcock Co. NE  |            | 2.598             | 2.614                 | 2.641    | 0.6               | March 1, 2014                | S              |          |           |
| Martin Marietta                  | 808701             | S20 T02S R05E     | Johnston Co., OK  | Mansand    | 2.627             | 2.645                 | 2.675    | 0.7               | May 1, 2017                  |                |          |           |
| Martin Marietta                  | 833901             | S07 T13N R69W     | Laramie Co., WY   |            | 2.731             | 2.748                 | 2.778    | 0.5               | June 1, 2017                 |                |          |           |
| Martin Marietta (COCA)           | 800318             | S03 T50N R32W     | Clay Co MO        | Mansand    | 2.629             | 2.661                 | 2.716    | 1.2               | March 1, 2018                |                |          |           |
| Martin Marietta (LFRLY)          | 800319             | S04 T13S R22E     | Johnston Co.      | Mansand    | 2.547             | 2.612                 | 2.730    | 2.6               | November 1, 2018             |                |          |           |
| Martin Marietta (UFRLY)          | 800319             | S04 T13S R22E     | Johnston Co.      | Mansand    | 2.529             | 2.602                 | 2.728    | 2.9               | January 1, 2018              |                |          |           |
| Mid-States Materials (EVCK)      | 843503             | S21 T15 R16E      | Osage Co.         |            | 2.560             | 2.609                 | 2.692    | 1.9               | July 17, 2017                |                |          |           |
| Mid-States Materials (SPGH)      | 800317             | S01 T17S R20E     | Franklin Co.      | 1/4- Man   | 2.465             | 2.552                 | 2.699    | 3.5               | May 1, 2018                  |                |          |           |
| Mid-States Sand                  | 843902             | S33 T25S R01W     | Sedgwick Co.      |            | 2.605             | 2.618                 | 2.640    | 0.5               | September 1, 2018            | S              |          |           |
| Midwest Concrete                 | 817102             | S16 T10S R10E     | Wabaunsee Co.     |            | 2.607             | 2.620                 | 2.644    | 0.5               | March 1, 2015                | S              |          |           |
| Midwest Concrete                 | 817104             | S33 T10S R07E     | Riley Co.         |            | 2.609             | 2.622                 | 2.642    | 0.5               | January 1, 2018              | S              |          |           |
| Midwest Concrete                 | 817105             | S35 T11S R18E     | Douglas Co.       |            | 2.582             | 2.600                 | 2.628    | 0.7               | April 1, 2015                | S              |          |           |
| Midwest Concrete                 | 818604             | S30 T10S R08E     | Riley Co.         |            | 2.601             | 2.620                 | 2.645    | 0.6               | March 1, 2015                | S              |          |           |
| Midwest Materials                | 806302             | S07 T03S R05E     | Washington Co.    |            | 2.600             | 2.614                 | 2.638    | 0.6               | August 1, 2015               | S              |          |           |
| Midwest Minerals (WNRS)          | 801708             | S22 T31S R17E     | Montgomery Co.    | Mansand    | 2.513             | 2.597                 | 2.743    | 3.3               | February 1, 2019             |                |          |           |
| Midwest Minerals (BKJG)          | 801702             | S30 T30S R24E     | Crawford Co.      | Mansand    | 2.527             | 2.593                 | 2.705    | 2.6               | August 1, 2018               |                |          |           |
| Midwest Minerals (BKJG)          | 801705             | S06 T35S R21E     | Labette Co.       | Mansand    | 2.498             | 2.568                 | 2.686    | 2.8               | February 1, 2018             |                | 37.03208 | 95.15115  |
| Midwest Minerals (BKJG)          | 801724             | S25 T31S R21E     | Cherokee Co.      |            | 2.535             | 2.603                 | 2.720    | 2.7               | June 1, 2018                 |                |          |           |
| Midwest Minerals (STNR)          | 801722             | S27 T30S R15E     | Wilson Co.        | 1/2" chips | 2.589             | 2.630                 | 2.701    | 1.6               | July 1, 2018                 |                | 37.41245 | 95.74935  |
| Muskogee Sand                    | 841501             | S04 T15N R18E     | Muskogee Co. OK   |            | 2.608             | 2.619                 | 2.639    | 0.5               | August 1, 2016               | S              | 35.80858 | 95.40816  |
| N.A.P. Co (AMZN)                 | 802439             | S28 T59N R35W     | Andrew Co. MO     | Mansand    | 2.580             | 2.644                 | 2.757    | 2.5               | May 1, 2018                  |                |          |           |
| Nelson Quarries (HRFD)           | 800125             | S34 T19S R14E     | Coffey Co.        | Screenings | 2.535             | 2.604                 | 2.724    | 2.7               | May 1, 2018                  |                |          |           |
| Northridge Sand                  | 819102             | S16 T26S R01E     | Sedgwick Co.      |            | 2.597             | 2.614                 | 2.643    | 0.7               | November 1, 2018             | S              |          |           |
| Penny's Conc.                    | 826802             | S26 T12S R20E     | Douglas Co.       |            | 2.573             | 2.588                 | 2.613    | 0.6               | September 1, 2014            | S              |          |           |
| Prowers Aggregate Operators, LLC | 847901             | S28 T22S R46W     | Prowers Co. CO    |            | 2.582             | 2.608                 | 2.650    | 1.0               | November 1, 2014             | S              | 38.10196 | 102.58315 |
| Raymond Sand                     | 818201             | S28 T20S R10W     | Rice Co.          |            | 2.589             | 2.604                 | 2.627    | 0.6               | January 1, 2016              | S              |          |           |
| RBK Const. (Basalt)              | 848701             | S07 T33S R50W     | Baca Co. CO       |            | 2.780             | 2.860                 | 2.955    | 2.2               | August 1, 2017               |                |          |           |
| Sahara River                     | 811703             | S24 T12S R22E     | Leavenworth Co.   |            | 2.613             | 2.605                 | 2.624    | 0.5               | February 1, 2019             | S              |          |           |
| Seacat & Heft                    | 815801             | S04 T29S R17W     | Kiowa Co.         |            | 2.594             | 2.611                 | 2.640    | 0.7               | September 1, 2014            | S              |          |           |
| Stone Sand                       | 810401             | S33 T19S R12W     | Barton Co.        |            | 2.586             | 2.605                 | 2.636    | 0.8               | May 1, 2018                  | S              |          |           |
| Venture Dundee Sand              | 810112             | S16 T20S R14W     | Barton Co.        |            | 2.592             | 2.607                 | 2.633    | 0.6               | July 1, 2018                 | S              |          |           |
| Whitaker                         | 847201             | S20 T32S R08E     | Cowley Co.        |            | 2.490             | 2.573                 | 2.715    | 3.4               | July 1, 2017                 |                |          |           |
| Whitaker (RDEG)                  | 800205             | S12 T34S R07E     | Cowley Co.        |            | 2.542             | 2.600                 | 2.698    | 2.3               | February 1, 2019             |                |          |           |

## February 2019 LETTING PROCEDURE II SPECIFIC GRAVITIES

| <u>Producer</u> | <u>CMS ID</u><br><u>Producer</u> | <u>Legal Description</u> | <u>Location</u> | <u>Products</u> | <u>Bulk Dry</u><br><u>(Gsb)</u> | <u>Saturated</u><br><u>Surf Dry</u> | <u>Apparent</u> | <u>Percent</u><br><u>Absorp</u> | <u>Date Modified</u><br><u>or Verified</u> | <u>Chat or</u><br><u>SSG</u> | <u>Latitude</u> | <u>Longitude</u> |
|-----------------|----------------------------------|--------------------------|-----------------|-----------------|---------------------------------|-------------------------------------|-----------------|---------------------------------|--|------------------------------|-----------------|------------------|
|-----------------|----------------------------------|--------------------------|-----------------|-----------------|---------------------------------|-------------------------------------|-----------------|---------------------------------|--|------------------------------|-----------------|------------------|

### Deleted Values

The following are values from sources that have been deleted from the active list and are for reference only.

|                                      |        |                |                      |                     |       |       |       |     |                   |   |          |          |
|--------------------------------------|--------|----------------|----------------------|---------------------|-------|-------|-------|-----|-------------------|---|----------|----------|
| Allied Inc                           | 808323 | S10 T15S R14W  | Russell Co           |                     | 2.620 | 2.633 | 2.652 | 0.5 | October 1, 2008   | S | 38.76984 | 98.86696 |
| Alsop                                | 811101 | S02 T08S R02E  | Clay Co.             |                     | 2.590 | 2.610 | 2.635 | 0.7 | October 15, 2004  | S |          |          |
| Alsop                                | 811102 | S26 T05S R03W  | Cloud Co.            |                     | 2.585 | 2.608 | 2.645 | 0.9 | October 15, 2004  | S |          |          |
| Alsop                                | 811103 | S05 T04S R04W  | Republic Co.         |                     | 2.613 | 2.610 | 2.630 | 0.6 | June 1, 2007      | S | 39.73481 | 97.78781 |
| Alsop                                | 811107 | S27 T13S R01E  | Dickinson Co.        |                     | 2.600 | 2.620 | 2.660 | 0.7 | April 1, 2007     | S |          |          |
| Alsop                                | 811108 | S31 T14S R02W  | Saline Co.           |                     | 2.626 | 2.639 | 2.661 | 0.5 | August 1, 2006    | S |          |          |
| Alsop                                | 811109 | S4 T02N R02W   | Hebron, NE           |                     | 2.601 | 2.615 | 2.637 | 0.5 | August 1, 2002    | S |          |          |
| Alsop                                | 811110 | S16 T07S R13W  | Osborne Co.          |                     | 2.614 | 2.630 | 2.656 | 0.6 | January 1, 2003   | S |          |          |
| Alsop                                | 811111 | S16 T20S R01E  | Marion Co.           |                     | 2.592 | 2.616 | 2.656 | 0.9 | July 1, 2005      | S |          |          |
| Alsop                                | 811112 | S30 T13S R02W  | Saline Co.           |                     | 2.611 | 2.627 | 2.654 | 0.6 | November 1, 2007  | S |          |          |
| Amman Sand (See Bladden)             |        |                |                      |                     |       |       |       |     |                   |   |          |          |
| Amman Sand (See Bladden)             |        |                |                      |                     |       |       |       |     |                   |   |          |          |
| Anchor Stone                         |        |                | Tulsa, OK            |                     |       |       |       |     |                   |   |          |          |
| Anchor Stone (WRSW)                  | 836402 | S34 T28N R32W  | Jasper Co. MO        | Mansand             | 2.515 | 2.579 | 2.688 | 2.6 | February 1, 2016  |   | 37.10327 | 94.40710 |
| APAC (ARGN)                          | 804007 | S12 T16S R24E  | Miami Co             | Dust                | 2.477 | 2.551 | 2.675 | 3.0 | May 1, 2009       |   | 38.67333 | 94.69672 |
| APAC (ARGN)                          | 804007 | S12 T16S R24E  | Miami Co             | MNSND               | 2.572 | 2.627 | 2.720 | 2.1 | March 1, 2009     |   | 38.67299 | 94.69581 |
| APAC (FRLY)                          | 804008 | S07 T16S R25E  | Miami Co             | Mansand             | 2.552 | 2.654 | 2.718 | 2.4 | September 1, 2016 |   |          |          |
| APAC (FRLY)                          | 804008 | S07 T16S R25E  | Miami Co             | -5/16"              | 2.533 | 2.597 | 2.707 | 2.6 | August 1, 2010    |   |          |          |
| APAC (FRLY)                          | 804008 | S07 T16S R25E  | Miami Co             | Mansand             | 2.608 | 2.647 | 2.715 | 1.5 | August 1, 2010    |   |          |          |
| APAC (FRLY)                          | 804008 | S07 T16S R25E  | Miami Co             | Dust                | 2.568 | 2.622 | 2.699 | 2.1 | August 1, 2010    |   |          |          |
| APAC (FRLY, Class I for UTB Overlay) | 804007 | S12 T16S R24E  | Miami Co             | MNSND               | 2.577 | 2.629 | 2.720 | 2.0 | January 1, 2009   |   | 38.67387 | 91.69463 |
| APAC (FRLYARG)                       | 804008 | S07 T16S R25E  | Miami Co             | Dust, Mansand       | 2.449 | 2.541 | 2.698 | 3.8 | August 1, 2016    |   |          |          |
| APAC (FRLYARG)                       | 804008 | S07 T16S R25E  | Miami Co             | Mansand, Dust       | 2.502 | 2.581 | 2.715 | 3.1 | August 1, 2010    |   |          |          |
| APAC Central (DEWY)                  | 809101 | S25 T27N R13E  | Washington Co. OK    | Mansand, Screenings | 2.608 | 2.667 | 2.775 | 2.3 | September 1, 2014 |   | 36.80405 | 95.86936 |
| APAC Hays                            | 808323 | S10 T15S R14W  | Russel Co.           |                     | 2.625 | 2.631 | 2.641 | 0.2 | May 1, 2002       | S |          |          |
| APAC Hays                            | 811602 | S29 T15S R18W  | Ellis Co.            |                     | 2.593 | 2.627 | 2.645 | 0.8 | July 1, 2006      | S |          |          |
| APAC Hays                            | 811603 | S25 T15S R19W  | Ellis Co.Kraus Pit   |                     | 2.584 | 2.620 | 2.680 | 1.4 | October 1, 2009   | S |          |          |
| APAC Hays                            | 811604 | S25 T15S R19W  | Ellis Co. Bieker Pit |                     | 2.620 | 2.636 | 2.646 | 0.3 | October 15, 2004  | S |          |          |
| APAC Hays                            | 811613 | S27 T10S R28W  | Sheridan Co.         |                     | 2.546 | 2.598 | 2.625 | 0.5 | October 15, 2004  | S |          |          |
| APAC Hays                            | 811614 | S17 T7S R39W   | Sherman Co.          |                     | 2.570 | 2.597 | 2.633 | 0.8 | October 15, 2004  | S |          |          |
| APAC Hays                            | 811615 | S34 T10S R32W  | Thomas Co.           |                     | 2.624 | 2.632 | 2.645 | 1.4 | October 15, 2004  | S |          |          |
| APAC Hays                            | 811620 | S31 T14S R23W  | Trego Co.            |                     | 2.614 | 2.631 | 2.657 | 0.6 | October 15, 2004  | S |          |          |
| APAC Hays                            | 811628 | S35 T10S R32W  | Thomas Co.           |                     | 2.594 | 2.624 | 2.675 | 1.2 | October 15, 2004  | S |          |          |
| APAC Hays                            | 811630 | S36 T14S R24W  | Trego Co.            |                     | 2.614 | 2.631 | 2.657 | 0.6 | October 15, 2004  | S |          |          |
| APAC Kansas                          | 801904 | S03 T 21S R13E | Lyon Co.             |                     | 2.524 | 2.598 | 2.727 | 2.9 | June 1, 2007      |   |          |          |
| APAC Kansas                          | 804009 | S 03 T21S R13E | Lyon Co.             |                     | 2.507 | 2.581 | 2.709 | 3.0 | May 1, 2011       |   |          |          |
| APAC Kansas                          | 810903 | S05 T27S R24W  | Ford Co.             |                     | 2.615 | 2.628 | 2.651 | 0.6 | December 1, 2006  | S |          |          |
| APAC Kansas                          | 826003 | S14 T12S R08W  | Lincoln Co.          |                     | 2.619 | 2.639 | 2.672 | 0.8 | March 1, 2016     |   |          |          |
| APAC Kansas                          | 826012 | S12 T12S R08W  | Lincoln Co.          | CS-2, Grizzly       | 2.641 | 2.657 | 2.684 | 0.6 | May 1, 2011       |   |          |          |
| APAC Kansas (ARGN Ledge)             | 803701 | S01 T12S R23E  | Johnson Co.          | Dust                | 2.532 | 2.597 | 2.707 | 2.5 | November 1, 2010  |   | 39.03173 | 94.80922 |
| APAC Kansas (CPCK)                   | 803705 | S10 T14S R23E  | Johnson Co.          | Dust                | 2.485 | 2.570 | 2.717 | 3.4 | September 1, 2014 |   | 38.85231 | 94.84701 |
| APAC Kansas (CPCK)                   | 803903 | S16 T14S R23E  | Johnson Co.          | -5/16", dust        | 2.560 | 2.619 | 2.734 | 2.6 | July 1, 2012      |   | 38.83531 | 94.86701 |
| APAC Kansas (FRLY)                   | 803705 | S10 T14S R23E  | Johnson Co.          | Dust                | 2.537 | 2.607 | 2.748 | 2.8 | May 1, 2016       |   |          |          |
| APAC Kansas (LFRLY Ledge)            | 803701 | S01 T12S R23E  | Johnson Co.          | Dust                | 2.521 | 2.590 | 2.710 | 2.8 | November 1, 2010  |   | 39.03190 | 94.80896 |
| APAC Kansas (STNR Ledge)             | 803705 | S10 T14S R23E  | Johnson Co.          | -5/16", dust        | 2.552 | 2.610 | 2.710 | 2.3 | November 1, 2010  |   | 38.85366 | 94.84856 |

## February 2019 LETTING PROCEDURE II SPECIFIC GRAVITIES

| Producer                      | CMS ID<br>Producer | Legal Description | Location         | Products                        | Bulk Dry<br>(Gsb) | Saturated<br>Surf Dry | Apparent | Percent<br>Absorp | Date Modified<br>or Verified | Chat or<br>SSG | Latitude | Longitude |
|-------------------------------|--------------------|-------------------|------------------|---------------------------------|-------------------|-----------------------|----------|-------------------|------------------------------|----------------|----------|-----------|
| APAC Kansas (STNR)            | 803903             | S16 T14S R23E     | Johnson Co.      |                                 | 2.522             | 2.605                 | 2.754    | 3.3               | September 1, 2014            |                | 38.83264 | 94.86893  |
| APAC Kansas (STNR)            | 803903             | S16 T14S R23E     | Johnson Co.      |                                 | 2.555             | 2.620                 | 2.731    | 2.5               | August 1, 2010               |                |          |           |
| APAC Reno                     | 804007             | S12 T16S R24E     | Miami Co. KS     | CS-2                            | 2.515             | 2.594                 | 2.715    | 2.8               | January 1, 2002              |                |          |           |
| APAC Reno                     | 836301             | S27 T22S R24E     | Linn Co.         | Mansand                         | 2.503             | 2.569                 | 2.681    | 2.7               | December 1, 2003             |                |          |           |
| APAC Reno                     |                    |                   | Johnson Co. KS   |                                 | 2.526             |                       |          |                   |                              |                |          |           |
| APAC Reno (ARGN)              | 804002             | S24 T14S R24E     | Johnson Co. KS   |                                 | 2.561             | 2.618                 | 2.714    | 2.2               | June 1, 2007                 |                | 38.82150 | 94.69010  |
| APAC Reno (FRLY)              | 804007             | S12 T16S R24E     | Miami Co. KS     | -1/2, 3/4', mansand, screenings | 2.463             | 2.553                 | 2.708    | 3.7               | August 1, 2005               |                | 38.67412 | 94.69887  |
| APAC Shears                   | 801916             | S14 T23S R05W     | Reno Co.         |                                 | 2.589             | 2.600                 | 2.620    | 0.4               | December 1, 2004             | S              |          |           |
| APAC-Allied                   | 841703             | S34 T15S R18W     | Ellis Co.        |                                 | 2.622             | 2.631                 | 2.646    | 0.4               | December 1, 2005             | S              | 38.69783 | 99.30538  |
| APAC-Shears                   | 801925             | S11 T28S R12E     | Greenwood Co.    |                                 | 2.563             | 2.629                 | 2.745    | 2.6               | May 1, 2008                  |                |          |           |
| APAC-Shears                   | 801927             | S03 T21S R13E     | Hartford         |                                 | 2.518             | 2.583                 | 2.720    | 2.8               | February 1, 2001             |                |          |           |
| APAC-Shears                   | 831401             | S35 T27S R01W     | Sedgewick Co.    |                                 | 2.595             | 2.614                 | 2.644    | 0.7               | September 1, 2003            | S              |          |           |
| APAC-Shears                   | Various            | S13 T12S R08W     | Lincoln          |                                 | 2.595             | 2.629                 | 2.678    | 1.1               | April 1, 2001                |                |          |           |
| APAC-Shears                   | Various            | S23 T12S R08W     | Lincoln          |                                 | 2.638             | 2.645                 | 2.683    | 0.9               | August 1, 2002               |                |          |           |
| APAC-Shears                   | Various            | Various           | Lincoln          | Grizzly                         | 2.620             | 2.636                 | 2.664    | 0.8               | October 1, 2001              |                |          |           |
| APAC-Shears 1/2", 1/4"        | 800408             | S11 T28S R12E     | Fall River       | 1/2", 1/4"                      | 2.600             |                       |          |                   | April 1, 2000                |                |          |           |
| Ark River Sand                | 838202             | S06 T32S R03E     | Cowley Co.       |                                 | 2.615             | 2.621                 | 2.640    | 0.4               | September 1, 2006            | S              |          |           |
| Ash Grove Aggr.               | 805108             | S30 T21S R20E     | Anderson Co.     |                                 | 2.480             | 2.570                 | 2.710    | 3.4               |                              |                |          |           |
| Ash Grove Aggr.               | 805109             | S30 T40N R31W     | Butler, MO       |                                 | 2.524             | 2.592                 | 2.709    | 2.7               | July 1, 2003                 |                |          |           |
| Ash Grove Aggr.               |                    | (Various)         | Bourbon Co.      |                                 | 2.417             |                       |          |                   |                              |                |          |           |
| Ash Grove Aggr.               |                    | (Various)         | Linn Co.         |                                 | 2.470             |                       |          |                   |                              |                |          |           |
| Associated                    | 819905             | S14 T26S R01E     | Sedgwick County  |                                 | 2.597             | 2.612                 | 2.637    | 0.6               | October 15, 2004             | S              |          |           |
| Associated                    | 819905             | S14 T26S R01E     | Sedgwick County  |                                 | 2.597             | 2.612                 | 2.637    | 0.6               | October 15, 2004             | S              |          |           |
| B&B Concrete                  | 603402             | S22 T07 R18W      | Stockton         |                                 | 2.602             | 2.613                 | 2.632    | 0.4               |                              |                |          |           |
| B&B Redimix                   | 818704             | S20 T07S R18W     | Rooks Co.        |                                 | 2.600             | 2.622                 | 2.651    | 0.7               | June 1, 2005                 | S              |          |           |
| Barber & Sons (BFLS)          | 842701             | S07 T47N R30W     | Jackson Co. MO   | Mansand                         | 2.507             | 2.575                 | 2.691    | 2.7               | September 1, 2011            |                | 38.90338 | 94.27975  |
| Bayer Const Co.               | 801830             | S08 T13S R05E     | Geary Co.        |                                 | 2.521             | 2.596                 | 2.726    | 3.0               | September 1, 2015            |                |          |           |
| Bayer Const Co.               | 802325             | S05 T13S R05E     | Geary Co.        |                                 | 2.507             | 2.579                 | 2.700    | 2.9               | January 1, 2017              |                |          |           |
| Bayer Const. Co.              | 801807             | S03 T09S R06E     | Riley Co.        |                                 | 2.426             | 2.508                 | 2.642    | 3.4               | March 1, 2004                |                |          |           |
| Bayer Const. Co.              | 801824             | S33 T10S R09E     | Riley Co.        |                                 | 2.588             | 2.640                 | 2.729    | 2.0               | July 1, 2009                 |                |          |           |
| Bayer Const. Co.              | 802322             | S05 T13S R05E     | Geary Co.        |                                 | 2.545             | 2.604                 | 2.706    | 2.3               | September 1, 2012            |                |          |           |
| Bayer Const. Co.              | 802322             | S05 T13S R05E     | Geary Co.        |                                 | 2.510             | 2.582                 | 2.705    | 2.9               | April 1, 2007                |                | 38.94896 | 96.90372  |
| Bayer Const. Co. (TRKO)       | 843101             | S33 T10S R09E     | Riley Co.        |                                 | 2.564             | 2.628                 | 2.740    | 2.5               | May 1, 2012                  |                |          |           |
| Beatrice Sand                 | 824703             | S29 T01N R04E     | Fairbury, NE     |                                 | 2.553             |                       |          |                   |                              |                |          |           |
| Bedrock Inc.                  | 841401             | S28 T28N R32W     | Cartersville, MO |                                 | 2.505             | 2.577                 | 2.620    | 1.5               | May 1, 2003                  |                |          |           |
| BELCO APAC DEWY Ledge)        | 809101             | S25 T27N R13E     | Nowata, OK       |                                 | 2.629             | 2.660                 | 2.725    | 1.4               | October 1, 2009              |                | 36.80490 | 95.87233  |
| Belco Materials               | 809101             | S25 T27N R13E     | Washington Co.OK |                                 | 2.607             | 2.648                 | 2.720    | 1.6               | July 1, 2007                 |                |          |           |
| Belco Materials               | 809103             | S11 T25N R8W      | Osage Co.OK      |                                 | 2.553             | 2.614                 | 2.718    | 2.4               | May 1, 2005                  |                |          |           |
| Beyer Crushed Rock Co (BFLS)  | 806901             | S26 T54N R33W     | Cass Co. MO      |                                 | 2.534             | 2.588                 | 2.679    | 2.1               | September 1, 2009            |                | 38.69364 | 94.54699  |
| Bingham (Atlas Pile)          | 821811             | S22 T29N R23E     | Ottawa Co. OK    |                                 | 2.523             | 2.573                 | 2.567    | 2.0               | March 1, 2015                | C              | 36.98076 | 94.80795  |
| Bingham (Gordon Pile)         | 821815             | S18 T29N R23E     | Ottawa Co. OK    |                                 | 2.545             | 2.587                 | 2.656    | 1.7               | June 1, 2008                 | C              | 36.99195 | 94.85100  |
| Bingham (Ottawa Pile)         | 821806             | S17 T29N R23E     | Ottawa Co. OK    |                                 | 2.547             | 2.583                 | 2.642    | 1.4               | December 1, 2014             | C              | 36.99438 | 94.83992  |
| Bingham (Semple Pile)         |                    |                   | Baxter Springs   |                                 | 2.553             |                       |          |                   | November 1, 1999             |                |          |           |
| Bingham (Sooner Pile)         | 821812             | S16 T29N R23E     | Ottawa Co. OK    |                                 | 2.535             | 2.576                 | 2.643    | 1.6               | July 1, 2007                 | C              |          |           |
| Bladden (Formerly Amman Sand) | 823801             | S11 T02N R16W     | Franklin Co., NE |                                 | 2.591             |                       |          |                   |                              |                |          |           |
| Bladden (Formerly Amman Sand) | 823802             | S14 T02N R16W     | Franklin Co., NE |                                 | 2.599             | 2.630                 | 2.651    | 0.5               | November 1, 2000             | S              |          |           |
| Bladden (Formerly Amman Sand) | 823802             | S14 T02N R16W     | Franklin Co., NE |                                 | 2.599             | 2.630                 | 2.651    | 0.5               | November 1, 2000             |                |          |           |
| Bladen                        | 824002             | S09 T02N R10W     | Red Cloud        |                                 | 2.599             | 2.615                 | 2.630    | 0.4               |                              |                |          |           |

## February 2019 LETTING PROCEDURE II SPECIFIC GRAVITIES

| Producer                     | CMS ID<br>Producer | Legal Description    | Location              | Products            | Bulk Dry<br>(Gsb) | Saturated<br>Surf Dry | Apparent | Percent<br>Absorb | Date Modified<br>or Verified | Chat or<br>SSG | Latitude | Longitude |
|------------------------------|--------------------|----------------------|-----------------------|---------------------|-------------------|-----------------------|----------|-------------------|------------------------------|----------------|----------|-----------|
| Bladen                       | 824201             | S18 T02N R14W        | Franklin Co. NE       |                     | 2.612             | 2.622                 | 2.638    | 0.4               | June 1, 2006                 | S              | 40.13917 | 98.93976  |
| Bladen                       | 824205             | S16 T02N R10W        | Webster Co. NE        |                     | 2.599             | 2.623                 | 2.663    | 0.9               | October 1, 2008              | S              | 40.14244 | 98.45629  |
| Blevins Chat                 | 143801             | S25 T29N R22E        | Ottawa Co OK          | 3/8 chip, dragsand  | 2.517             | 2.568                 | 2.651    | 2.0               | August 1, 2014               | C              | 36.96195 | 94.87701  |
| Blue River Sand              | 805405             | S35 T03S R05E        | Washington Co.        |                     | 2.549             | 2.578                 | 2.624    | 1.1               |                              |                |          |           |
| Broce Construction           | 809904             | S02 T27S R25W        | Ford Co.              |                     | 2.588             | 2.611                 | 2.645    | 0.8               | January 1, 2005              | S              |          |           |
| Bromley (Haeglin Lease)      |                    |                      | Atchison Co           |                     | 2.420             |                       |          |                   |                              |                |          |           |
| Builder's Sand               | 815301             | S28 T11S R23E        | Johnson Co.           |                     | 2.570             | 2.590                 | 2.630    | 0.9               |                              |                |          |           |
| Builder's Sand               | 815304             | S23 T11S R16E        | Shawnee Co.           |                     | 2.620             | 2.630                 | 2.650    | 0.4               |                              |                |          |           |
| C&M Agg (Curzon)             | 800406             | S30 T17S R15E        | Osage County          |                     | 2.302             | 2.463                 | 2.744    | 7.0               |                              |                |          |           |
| C&M Agg (Hartford)           | 800406             | S30 T17S R15E        | Osage County          |                     | 2.436             | 2.537                 | 2.711    | 4.2               |                              |                |          |           |
| Carder                       | 823503             | S30 T22S R44W        | Prowers Co. CO        | SSG, CG             | 2.602             | 2.622                 | 2.656    | 0.8               | July 1, 2013                 | S              |          |           |
| Carder                       | 823512             | S22 T23S R43W        | Hamilton CO           |                     | 2.581             | 2.605                 | 2.643    | 0.9               | August 1, 2010               | S              | 38.03351 | 102.03022 |
| Carder                       | 823513             | S19 T24S R39W        | Hamilton CO           |                     | 2.564             | 2.595                 | 2.643    | 1.2               | June 1, 2011                 | S              |          |           |
| Carder                       |                    | (Various)            | Lamar CO              |                     | 2.570             | 2.610                 | 2.680    | 1.8               |                              |                |          |           |
| Carder                       |                    | (Various)            | Carlton CO            |                     | 2.570             | 2.610                 | 2.680    | 1.8               |                              |                |          |           |
| Carthage Crushed             | 848001             | S29 T29N R31W        | Jasper Co. MO         |                     | 2.631             | 2.658                 | 2.703    | 1.0               | July 1, 2015                 |                | 37.20735 | 94.32763  |
| Central Paving               | 839001             | S17 T26S R04E        | Butler, Co.           | CS-2                | 2.394             | 2.498                 | 2.671    | 4.4               | December 1, 2003             |                |          |           |
| Consolidated Sand & Gravel   | 824601             | S27 T02N R02E        | Fairbury, NE          |                     | 2.580             | 2.596                 | 2.627    | 0.7               |                              |                |          |           |
| Cornejo Mtls                 | 820105             | S14 T31S R10E        | Elk Co.               | CS2                 | 2.506             | 2.585                 | 2.723    | 3.2               | November 1, 2014             |                |          |           |
| Cornejo Stone                | 820105             | S14 T31S R10E        | Elk Co.               | Screenings, mansand | 2.495             | 2.583                 | 2.736    | 3.5               | February 1, 2017             |                |          |           |
| Cummins Const.               | CC158401           | S23 T29N R22E        | Ottawa Co. OK         |                     | 2.505             | 2.559                 | 2.646    | 2.2               | June 1, 2006                 | C              | 36.98083 | 94.89053  |
| Dartmouth Sand               | 810401             | S33 T19S R12W        | Barton Co.            |                     | 2.610             | 2.640                 | 2.689    | 1.1               | September 1, 2012            | S              |          |           |
| Deweese                      | 825001             | S17 T01N R07W        | Nuckolls Co. NE       | SSG                 | 2.594             | 2.622                 | 2.669    | 1.1               | January 1, 2008              | S              |          |           |
| Dolese                       | 809001             | S36 T04N R12W        | Comanche Co. OK       |                     | 2.649             | 2.671                 | 2.710    | 0.8               | October 1, 2014              |                |          |           |
| Dolese                       | 809001             | S36 T04N R12W        | Comanche Co. OK       | Screenings, Mansand | 2.638             | 2.669                 | 2.721    | 1.2               | October 1, 2006              |                |          |           |
| Dolese                       | 809001             | S36 T04N R12W        | Comanche Co. OK       | CS-1C               | 2.670             | 2.690                 | 2.725    | 0.8               | October 1, 2006              |                |          |           |
| Dolese                       | 809001             | S36 T04N R12W        | Richards Spur         |                     | 2.635             | 2.650                 | 2.700    | 1.0               |                              |                |          |           |
| Dolese                       | 809002             | S08 T01S R01E        | Davis Co. OK          |                     | 2.641             | 2.668                 | 2.713    | 1.0               | January 1, 2013              |                |          |           |
| Dolese                       | 809402             | S32 T06N R15W        | Kiowa Co. OK          |                     | 2.672             | 2.700                 | 2.747    | 1.0               | April 1, 2012                |                |          |           |
| Dolese                       | 809402             | S32 T06N R15W        | Cooperton             |                     |                   |                       |          |                   |                              |                |          |           |
| Dolese                       | 809403             | S36 T06N R10W        | Caddo Co. OK          |                     | 2.581             | 2.632                 | 2.721    | 2.0               | January 1, 2008              |                |          |           |
| Eastern Colorado Agg         | 833301             | S16 T23S R42W        | Holly, Prowers Co, CO |                     | 2.581             | 2.608                 | 2.652    | 1.0               | June 1, 2012                 | S              |          |           |
| Evans And Assoc.             | CC172602           | S26 T29N R02 E       | Kay Co. OK            |                     | 2.530             | 2.572                 | 2.641    | 1.6               | December 1, 2004             | S              |          |           |
| Flint Rock Products Pile # 2 | 822503             | SW 1/4 S29 T29N R23E | Ottawa County, OK     |                     | 2.558             | 2.594                 | 2.654    | 1.4               | June 1, 2015                 | C              | 36.95833 | 94.84167  |
| Geary Co. Sand               | 813601             | S27 T11S R05E        | Geary Co.             |                     | 2.604             | 2.619                 | 2.643    | 0.6               | August 1, 2013               | S              |          |           |
| Granite Mountain             | 838701             |                      | Sweet Home, AR        |                     | 2.601             | 2.620                 | 2.650    | 1.0               |                              |                |          |           |
| Great Bend Asphalt           | 810301             | S32 T19S R13W        | Great Bend            |                     | 2.600             | 2.610                 | 2.630    | 0.4               |                              |                |          |           |
| Hamm                         | 800921             | S07 T08S R21E        | Easton-Leavenworth Co |                     | 2.400             | 2.506                 | 2.708    | 5.0               | August 1, 2001               |                |          |           |
| Hamm                         | 800929             | S09 T17S R15E        | Lyndon-Osage City     |                     | 2.503             | 2.580                 | 2.771    | 3.1               |                              |                |          |           |
| Hamm                         | 800930             | S16 T15S R16E        | Overbrook             |                     | 2.582             | 2.640                 | 2.741    | 2.2               | January 1, 2000              |                |          |           |
| Hamm                         | 800931             | S34 T17S R16E        | Osage Co.             | Screenings          | 2.416             | 2.519                 | 2.694    | 4.3               | May 1, 2004                  |                |          |           |
| Hamm                         | 800931             | S34 T17S R16E        | Osage Co.             | Man Sand            | 2.492             | 2.580                 | 2.731    | 3.5               | May 1, 2004                  |                |          |           |
| Hamm                         | 800948             | S21 T02S R20E        | Doniphan Co.          |                     | 2.570             | 2.635                 | 2.748    | 2.5               | May 1, 2005                  |                |          |           |
| Hamm                         | 800949             | S36 T11S R19E        | Jefferson Co.         | Mansand             | 2.538             | 2.618                 | 2.759    | 3.2               | July 1, 2006                 |                |          |           |
| Hamm                         | 800949             | S36 T11S R19E        | Jefferson Co.         | CS 2                | 2.445             | 2.558                 | 2.758    | 4.7               | July 1, 2006                 |                |          |           |
| Hamm                         | 800955             | S13 T13S R03E        | Dickinson Co.         |                     | 2.438             | 2.528                 | 2.682    | 3.7               | August 1, 2004               |                |          |           |
| Hamm                         | 800963             | S04 T15S R04E        | Dickinson Co.         |                     | 2.420             | 2.520                 | 2.667    | 4.1               | August 1, 2006               |                |          |           |
| Hamm                         | 800968             | S10 T07S R10E        | Pottawatomie Co.      |                     | 2.471             | 2.557                 | 2.703    | 3.5               | January 1, 2010              |                |          |           |

## February 2019 LETTING PROCEDURE II SPECIFIC GRAVITIES

| Producer                            | CMS ID<br>Producer | Legal Description  | Location                | Products   | Bulk Dry<br>(Gsb) | Saturated<br>Surf Dry | Apparent | Percent<br>Absorb | Date Modified<br>or Verified | Chat or<br>SSG | Latitude | Longitude |
|-------------------------------------|--------------------|--------------------|-------------------------|------------|-------------------|-----------------------|----------|-------------------|------------------------------|----------------|----------|-----------|
| Hamm                                | 800975             | S29 T14S R06E      | Morris Co.              |            | 2.414             | 2.524                 | 2.712    | 4.6               | April 1, 2014                |                |          |           |
| Hamm                                | 802457             | S10 T14S R04E      | Dickinson Co.           |            | 2.478             | 2.557                 | 2.692    | 3.2               | June 1, 2011                 |                |          |           |
| Hamm                                | 900938             | S15 T10S R15E      | Roll Mead-Shawnee Co    |            | 2.517             | 2.588                 | 2.728    | 3.3               |                              |                |          |           |
| Hamm                                | 800964             | S29 T14S R06E      | Morris Co.              |            | 2.458             | 2.555                 | 2.724    | 4.0               | March 1, 2008                |                | 38.80787 | 96.78781  |
| Hamm                                | 800965             | S03 T07S R10E      | Pottawatomie Co.        |            | 2.480             | 2.564                 | 2.708    | 3.4               | July 1, 2003                 |                |          |           |
| Hamm (EVCK)                         | 800972             | S16 T15S R16E      | Osage Co.               | Mansand    | 2.482             | 2.563                 | 2.701    | 3.3               | July 1, 2007                 |                |          |           |
| Hamm (SNBD)                         | 800907             | S15 T13S R21E      | Eudora-Douglas Co       |            | 2.567             | 2.623                 | 2.719    | 2.2               | August 1, 2013               |                |          |           |
| Hamm Ozawkie Formation              | 800915             | S15 T11S R17E      | Grantville-Jefferson Co |            | 2.587             | 2.630                 | 2.704    | 1.7               | August 1, 2001               |                |          |           |
| Hamm (EVCK)                         | 800930             | S16 T15S R16E      | Osage Co.               |            | 2.514             | 2.580                 | 2.691    | 2.6               | April 1, 2012                |                |          |           |
| Hamm (LVNR)                         | 800910             | S01 T12S R19E      | Douglas Co.             | CS-1       | 2.555             | 2.607                 | 2.694    | 2.1               | April 1, 2010                |                |          |           |
| Hamm (LVNW)                         | 800910             | S01 T12S R19E      | Douglas Co.             |            | 2.630             | 2.664                 | 2.722    | 1.3               | April 1, 2013                |                |          |           |
| Hamm (NEVA)                         | 800950             | S03 T07S R10E      | Pottawatomie Co.        |            | 2.432             | 2.529                 | 2.693    | 4.0               | May 1, 2015                  |                |          |           |
| Hamm (NEVA)                         | 800967             | S10 T07S R10E      | Pottawatomie Co.        |            | 2.403             | 2.509                 | 2.689    | 4.4               | August 1, 2010               |                |          |           |
| Hamm (STNR)                         | 800907             | S15 T13S R21E      | Eudora-Douglas Co       | MNSND      | 2.547             | 2.605                 | 2.704    | 2.3               | July 1, 2014                 |                |          |           |
| Hamm (TRNT)                         | 800910             | S01 T12S R19E      | Douglas Co.             | CS-1       | 2.514             | 2.601                 | 2.754    | 3.5               | October 12, 2012             |                |          |           |
| Hamm (TRNT)                         | 800913             | S01 T11S R19E      | Jefferson Co.           |            | 2.495             | 2.595                 | 2.682    | 4.0               | October 12, 2012             |                |          |           |
| Hamm Plattsmouth Ledge              | 800949             | S36 T11S R19E      | Jefferson Co            |            | 2.423             | 2.517                 | 2.673    | 3.9               | January 1, 2002              |                |          |           |
| Hamm Toronto/Leavenworth Ledges     | 800949             | S36 T11S R19E      | Lawrence-Jefferson Co   |            | 2.525             | 2.610                 | 2.760    | 3.4               |                              |                |          |           |
| Hanson Agg (Western Rock)           | 826501             | S10 T01S R01W      | Murray Co OK            |            | 2.642             | 2.680                 | 2.746    | 1.4               | February 1, 2011             |                |          |           |
| Hard Rock Sand                      | 809904             | S02 T27S R25W      | Ford Co.                | SSG        | 2.605             | 2.622                 | 2.651    | 0.7               | December 1, 2013             | s              | 37.72627 | 100.02266 |
| Harry Byers                         | 805901             | S19 T27S R18E      | Neosho Co.              |            | 2.480             | 2.560                 | 2.700    | 3.5               |                              |                |          |           |
| Harshman                            | 801513             | S35 T25S R13E      | Paxson, Woodson Co.     |            | 2.580             | 2.630                 | 2.272    | 2.3               |                              |                |          |           |
| Harshman                            |                    | S28 T23S R15E      | Drake, Woodson, Co.     |            |                   |                       |          |                   |                              |                |          |           |
| Harshman                            |                    | S21 R34S R11E      | Floyd,Chatauqua, Co     |            |                   |                       |          |                   |                              |                |          |           |
| Harshman                            |                    |                    | Freund, Coffey Co.      |            | 2.540             | 2.615                 | 2.747    | 3.0               |                              |                |          |           |
| Harshman                            |                    |                    | Toronto,Greenwood Co.   |            |                   |                       |          |                   |                              |                |          |           |
| Harshman                            |                    |                    | Hilltop, Greenwood Co.  |            |                   |                       |          |                   |                              |                |          |           |
| Harshman                            |                    |                    | Waverly, Osage Co.      |            |                   |                       |          |                   |                              |                |          |           |
| Harshman (Ervine Cr. Ledge)         | 842101             | N1/2 S04 T30S R11E | Elk Co.                 |            | 2.531             | 2.609                 | 2.737    | 2.9               | March 1, 2003                |                |          |           |
| Harshman (SNBD/STNR Ledge)          | 800111             | S19 T26S R16E      | Woodson Co.             |            | 2.509             | 2.582                 | 2.706    | 2.9               | September 1, 2010            |                | 37.77121 | 95.70426  |
| Harshman (Stoner Ledge)             | 800111             | S19 T26S R16E      | Woodson Co.             |            | 2.488             | 2.573                 | 2.721    | 3.4               | February 1, 2002             |                |          |           |
| Harshman Const.                     | 801504             | S13 T31S R10E      | Elk Co.                 |            | 2.460             | 2.567                 | 2.753    | 4.3               | October 1, 2008              |                |          |           |
| Harshman Const.                     | 801517             | S04 T30S R11E      | Elk Co.                 | Screenings | 2.529             | 2.603                 | 2.731    | 3.0               | December 1, 2016             |                | 37.47226 | 96.21392  |
| Harshman Const.                     | 801517             | S04 T30S R11E      | Elk Co.                 |            | 2.515             | 2.589                 | 2.717    | 3.0               | April 1, 2005                |                |          |           |
| Harshman Const. (HRFD)              | 801510             | S19 T19S R15E      | Coffey Co.              | -1" x 3/8  | 2.534             | 2.618                 | 2.767    | 3.3               | February 1, 2006             |                | 38.38015 | 95.79847  |
| Heckert (St. Joe pile Primary)      | 842005             | S20 T29N R23E      | Ottawa Co. OK           |            | 2.521             | 2.572                 | 2.657    | 2.0               | May 1, 2008                  | c              | 36.97992 | 94.83575  |
| Heckert (St. Joe pile Vantage East) | 842004             | S20 T29N R23E      | Ottawa Co. OK           |            | 2.512             | 2.563                 | 2.646    | 2.0               | May 1, 2008                  | c              | 36.98278 | 94.83655  |
| Heft Sand                           | 838501             | S35 T30S R14W      | Barber Co.              |            | 2.587             | 2.609                 | 2.645    | 0.9               | April 1, 2007                | s              |          |           |
| Heft Sand                           | 838501             | S35 T30S R14W      | Greensburg              |            | 2.602             |                       |          |                   | November 1, 1999             |                |          |           |
| Holliday Sand                       | 815301             | S28 T11S R23E      | Wyandotte Co.           | SSG        | 2.600             | 2.610                 | 2.626    | 0.4               | November 1, 2013             | s              |          |           |
| Holliday Sand                       | 815303             | S25 T11S R15E      | Shawnee Co.             | SSG        | 2.604             | 2.613                 | 2.628    | 0.4               | January 1, 2005              | s              |          |           |
| Holliday Sand                       | 815304             | S23 T11S R16E      | Shawnee Co.             | SSG        | 2.600             | 2.614                 | 2.637    | 0.5               | January 1, 2005              | s              |          |           |
| Holliday Sand                       | 815402             | S36 T11S R23E      | Wyandotte Co.           | SSG        | 2.571             | 2.599                 | 2.645    | 1.1               | September 1, 2000            | s              |          |           |
| Holliday Sand                       | 815409             | S13 T17N R13E      | Tulsa Co. OK            | SSG        | 2.615             | 2.624                 | 2.639    | 0.3               | August 1, 2012               | s              | 35.95442 | 95.86949  |
| Holliday Sand                       |                    |                    | Buchanan Co., MO        |            | 2.596             |                       |          |                   |                              |                |          |           |
| Huber                               | 812702             | S18 T24S R33W      | Finney Co.              |            | 2.602             | 2.618                 | 2.646    | 0.6               | August 1, 2011               | s              |          |           |
| Humble Sand & Gavel                 | 822502             | S24 T29N R23E      | Ottawa County, OK       | CME        | 2.526             | 2.571                 | 2.647    | 1.8               | March 1, 2007                | c              |          |           |
| Humble Sand & Gavel                 | 822502             | S24 T29N R23E      | Ottawa County, OK       | Dragsand   | 2.545             | 2.583                 | 2.645    | 1.5               | August 1, 2008               | c              |          |           |



## February 2019 LETTING PROCEDURE II SPECIFIC GRAVITIES

| Producer                                  | CMS ID<br>Producer | Legal Description | Location       | Products                        | Bulk Dry<br>(Gsb) | Saturated<br>Surf Dry | Apparent | Percent<br>Absorb | Date Modified<br>or Verified | Chat or<br>SSG | Latitude | Longitude |
|---|--------------------|-------------------|----------------|---------------------------------|-------------------|-----------------------|----------|-------------------|------------------------------|----------------|----------|-----------|
| Hunt Midwest                              | 800204             | S21 T25S R24E     | Fort Scott     |                                 | 2.435             | 2.527                 | 2.673    | 2.1               |                              |                |          |           |
| Hunt Midwest                              | 800205             | S12 T34S R07E     | Cowley Co.     |                                 | 2.511             | 2.576                 | 2.684    | 2.6               | June 1, 2003                 |                |          |           |
| Hunt Midwest                              | 800306             | S01 T13S R18E     | Lawrence       |                                 | 2.500             | 2.570                 | 2.700    | 3.0               |                              |                |          |           |
| Hunt Midwest                              | 800312             | S18 T17S R23E     | Miami Co.      | CS-2, CS-1A                     | 2.498             | 2.574                 | 2.703    | 3.0               | September 1, 2003            |                |          |           |
| Hunt Midwest                              |                    |                   | Osage County   |                                 | 2.427             | 2.530                 | 2.720    | 4.6               |                              |                |          |           |
| Hunt-Martin (BFLS underground)            | 803512             | S02 T52N R34W     | Clay Co MO     | -5/16"                          | 2.600             | 2.634                 | 2.704    | 1.6               | August 1, 2012               |                |          |           |
| Hunt-Martin (BFLS underground)            | 803512             | S02 T52N R34W     | Clay Co MO     | Dust                            | 2.550             | 2.611                 | 2.716    | 2.4               | July 1, 2008                 |                |          |           |
| Hunt-Martin (BFLS)                        | 807301             | S36 T50N R34W     | Riverside, MO  | Chips                           | 2.565             | 2.617                 | 2.711    | 2.1               | August 1, 2011               |                |          |           |
| Hunt-Martin Materials                     | 800201             | S01 T20S R19E     | Anderson Co.   |                                 | 2.510             | 2.575                 | 2.685    | 2.6               | March 1, 2002                |                |          |           |
| Hunt-Martin Materials                     | 800310             | S13 T16S R19W     | Franklin Co.   | -3/8 washed mansand             | 2.455             | 2.550                 | 2.715    | 3.9               | February 1, 2005             |                |          |           |
| Hunt-Martin Materials                     | 800311             | S30 T16S R24E     | Miami Co.      |                                 | 2.480             | 2.530                 | 2.610    | 1.8               |                              |                |          |           |
| Hunt-Martin Materials                     | 800315             | S24 T18S R19E     | Franklin Co.   |                                 | 2.390             | 2.480                 | 2.650    | 4.8               |                              |                |          |           |
| Hunt-Martin Materials                     | 800316             | S14 T15S R18E     | Douglas Co.    |                                 | 2.468             | 2.553                 | 2.697    | 3.4               | October 1, 2002              |                |          |           |
| Hunt-Martin Materials                     | 802454             | S10 T13S R04E     | Dickinson Co.  | CS-II                           | 2.504             | 2.574                 | 2.698    | 2.9               | February 1, 2005             |                |          |           |
| Hunt-Martin Materials (BFLS)              | 802435             | S07 T45N R32W     | Peculiar, MO   | -1/2"                           | 2.570             | 2.622                 | 2.712    | 2.0               | August 1, 2008               |                |          |           |
| Hunt-Martin Materials (BFLS)              | 802435             | S07 T45N R32W     | Peculiar, MO   | CS-II                           | 2.523             | 2.593                 | 2.712    | 2.8               | February 1, 2005             |                |          |           |
| Hunt-Martin Materials (BFLS)              | 807301             | S36 T50N R34W     | Riverside, MO  | -5/16, CS-II                    | 2.549             | 2.614                 | 2.727    | 2.6               | January 1, 2005              |                |          |           |
| Hunt-Martin Materials (BFLS)              | 808103             | S03 T46N R31E     | Greenwood MO   | CS-II                           | 2.517             | 2.582                 | 2.693    | 2.6               | January 1, 2005              |                |          |           |
| Hunt-Martin Materials (CPCK)              | 800310             | S13 T16S R19E     | Franklin Co.   | -4, chips                       | 2.498             | 2.579                 | 2.717    | 3.2               | June 1, 2013                 |                | 38.65633 | 95.25275  |
| Hunt-Martin Materials (CPCK)              | 800310             | S13 T16S R19E     | Franklin Co.   | -3/8                            | 2.512             | 2.592                 | 2.729    | 3.2               | August 1, 2008               |                |          |           |
| Hunt-Martin Materials (CPCK)              | 802447             | S13 T16S R19E     | Franklin Co.   | Screenings, Mansand, 1/4" Chips | 2.494             | 2.573                 | 2.701    | 3.0               | February 1, 2005             |                |          |           |
| Hunt-Martin Materials (Ervine Creek)      | 802433             | S23 T12S R17E     | Douglas Co.    |                                 | 2.449             | 2.546                 | 2.713    | 3.6               | September 1, 2002            |                |          |           |
| Hunt-Martin Materials (Ervine Creek)      | 802437             | S22 T12S R17E     | Shawnee Co.    |                                 | 2.484             | 2.569                 | 2.714    | 3.4               | May 1, 2002                  |                |          |           |
| Hunt-Martin Materials (IFRLY)             | 803501             | S9 T13S R22E      | Johnson Co. KS |                                 | 2.460             | 2.551                 | 2.708    | 3.8               | July 1, 2011                 |                | 38.93860 | 94.96997  |
| Hunt-Martin Materials (Ozawkie Formation) | 802433             | S23 T12S R17E     | Douglas Co.    | Screenings                      | 2.484             | 2.578                 | 2.743    | 3.8               | December 1, 2004             |                |          |           |
| Hunt-Martin Materials (Ozawkie Formation) | 802433             | S23 T12S R17E     | Douglas Co.    | Washed Chips                    | 2.559             | 2.635                 | 2.789    | 3.0               | December 1, 2004             |                |          |           |
| Hunt-Martin Materials (Ozawkie Formation) | 802437             | S22 T12S R17E     | Shawnee Co.    |                                 | 2.545             | 2.644                 | 2.794    | 3.3               | October 1, 2001              |                |          |           |
| Hunt-Martin Materials (SNBD)              | 800310             | S13 T16S R19E     | Franklin Co.   | mansand                         | 2.594             | 2.637                 | 2.715    | 1.7               | December 1, 2006             |                | 38.65554 | 95.25336  |
| Hunt-Martin Materials (SNBD)              | 800310             | S13 T16S R19E     | Franklin Co.   | 1/4                             | 2.616             | 2.658                 | 2.732    | 1.6               | December 1, 2006             |                | 38.65554 | 95.25336  |
| Hunt-Martin Materials (SNBD)              | 800310             | S13 T16S R19E     | Franklin Co.   | Dust                            | 2.511             | 2.577                 | 2.689    | 2.6               | December 1, 2006             |                | 38.65554 | 95.25336  |
| Hunt-Martin Materials (STNR)              | 800310             | S13 T16S R19E     | Franklin Co.   | Chips                           | 2.444             | 2.555                 | 2.744    | 4.5               | June 1, 2010                 |                | 38.65591 | 95.25500  |
| Hunt-Martin Materials (STNR)              | 800310             | S13 T16S R19E     | Franklin Co.   | Mansand                         | 2.445             | 2.544                 | 2.719    | 4.1               | November 1, 2009             |                | 38.65605 | 95.25503  |
| Hunt-Martin Materials (STNR)              | 800310             | S13 T16S R19E     | Franklin Co.   | -3/8                            | 2.443             | 2.550                 | 2.572    | 4.4               | August 1, 2008               |                |          |           |
| Hunt-Martin Materials (STNR)              | 800310             | S13 T16S R19E     | Franklin Co.   | mansand                         | 2.429             | 2.539                 | 2.724    | 4.4               | December 1, 2006             |                | 38.65281 | 95.25272  |
| Hunt-Martin Materials (STNR)              | 800310             | S13 T16S R19E     | Franklin Co.   | 1/4                             | 2.482             | 2.568                 | 2.714    | 3.4               | December 1, 2006             |                | 38.65281 | 95.25272  |
| Hunt-Martin Materials (STNR)              | 800310             | S13 T16S R19E     | Franklin Co.   | Dust                            | 2.411             | 2.533                 | 2.748    | 5.0               | December 1, 2006             |                | 38.65281 | 95.25272  |
| Hunt-Martin Materials (STNR)              | 800310             | S13 T16S R19E     | Franklin Co.   | MANSAND                         | 2.452             | 2.551                 | 2.721    | 4.0               | August 1, 2014               |                | 38.65706 | 95.25661  |
| Hunt-Martin Materials (UFRLY)             | 803501             | S9 T13S R22E      | Johnson Co. KS |                                 | 2.463             | 2.556                 | 2.715    | 3.8               | July 1, 2011                 |                | 38.93860 | 94.96997  |
| Hunt-Martin Materials ARGN)               | 803501             | S09 T13S R22E     | Johnson Co. KS |                                 | 2.462             | 2.554                 | 2.710    | 3.7               | July 1, 2011                 |                | 38.93869 | 94.97256  |
| Hunt-Martin (PKA Martin Marietta) (BFLS)  | 802451             | S11 T46N R31W     | Greenwood, MO  | Dust, - 1/4"                    | 2.575             | 2.628                 | 2.718    | 2.1               | July 1, 2011                 |                | 38.81273 | 94.31907  |
| Hunt-Midwest                              | 803503             | S10 T50N R32W     | Randolph, MO   | Dust                            | 2.565             | 2.612                 | 2.691    | 1.8               | July 1, 2011                 |                |          |           |
| Ideker, Inc.                              | 835401             | S19 T59N R35W     | Andrew Co., MO |                                 | 2.475             | 2.550                 | 2.688    | 3.3               | June 1, 2002                 |                |          |           |
| Inland Quarries                           | 806503             | S27 T11S R24E     | Wyandotte Co.  |                                 | 2.620             | 2.660                 | 2.730    | 1.5               |                              |                |          |           |
| J&R Carlile Sand                          | 815604             | S26 T33S R32W     | Liberal        |                                 | 2.574             | 2.600                 | 2.630    | 0.7               |                              |                |          |           |
| J&R Sand Co                               | 814606             | S01 T33S R33W     | Seward Co      |                                 | 2.606             | 2.622                 | 2.647    | 0.6               | October 1, 2011              | S              |          |           |
| Johnson                                   |                    |                   | Salina         |                                 | 2.618             | 2.630                 | 2.656    | 0.6               | January 1, 2001              |                |          |           |
| Johnson County Aggregates ARGN            | 806701             | S09 T14S R23E     | Johnson Co. KS | Mansand, Dust                   | 2.594             | 2.635                 | 2.706    | 1.6               | May 1, 2013                  |                | 38.84677 | 94.86382  |

## February 2019 LETTING PROCEDURE II SPECIFIC GRAVITIES

| Producer                       | CMS ID<br>Producer | Legal Description | Location         | Products                  | Bulk Dry<br>(Gsb) | Saturated<br>Surf Dry | Apparent | Percent<br>Absorb | Date Modified<br>or Verified | Chat or<br>SSG | Latitude | Longitude |
|--------------------------------|--------------------|-------------------|------------------|---------------------------|-------------------|-----------------------|----------|-------------------|------------------------------|----------------|----------|-----------|
| Johnson County Aggregates ARGN | 806701             | S09 T14S R23E     | Johnson Co. KS   | CS-2                      | 2.584             | 2.643                 | 2.746    | 2.3               | July 1, 2008                 |                |          |           |
| Johnson County Aggregates CPCK | 806701             | S09 T14S R23E     | Johnson Co. KS   | -1"                       | 2.495             | 2.579                 | 2.723    | 3.3               | May 1, 2015                  |                |          |           |
| Johnson County Aggregates FRLY | 806701             | S09 T14S R23E     | Johnson Co. KS   | Dust, Mansand             | 2.528             | 2.596                 | 2.714    | 2.8               | April 1, 2016                |                | 38.84731 | 94.86228  |
| Johnson County Aggregates FRLY | 806701             | S09 T14S R23E     | Johnson Co. KS   | Chips                     | 2.615             | 2.656                 | 2.728    | 1.6               | August 1, 2012               |                | 38.84639 | 94.86359  |
| Johnson County Aggregates SPGH | 806701             | S09 T14S R23E     | Johnson Co. KS   | Mansand                   | 2.509             | 2.595                 | 2.742    | 3.4               | October 1, 2015              |                |          |           |
| Johnson County Aggregates SPGH | 806701             | S09 T14S R23E     | Johnson Co. KS   | manand                    | 2.566             | 2.619                 | 2.801    | 2.1               | April 1, 2012                |                | 38.84645 | 94.86367  |
| Johnson County Aggregates SPGH | 806701             | S09 T14S R23E     | Johnson Co. KS   | Dust                      | 2.466             | 2.555                 | 2.708    | 3.6               | October 1, 2009              |                | 38.84438 | 94.86339  |
| Johnson County Aggregates STNR | 806701             | S09 T14S R23E     | Johnson Co. KS   | manand                    | 2.568             | 2.621                 | 2.711    | 2.1               | April 1, 2012                |                | 38.84657 | 94.86459  |
| Johnson County Aggregates STNR | 806701             | S09 T14S R23E     | Johnson Co. KS   | 1/4"                      | 2.546             | 2.607                 | 2.717    | 2.5               | February 1, 2007             |                | 38.84492 | 94.86620  |
| Johnson County Aggregates STNR | 806701             | S09 T14S R23E     | Johnson Co. KS   | screenings                | 2.464             | 2.545                 | 2.677    | 3.2               | February 1, 2007             |                | 38.84492 | 94.86620  |
| Johnson Sand                   | 818901             | S31 T14S R02W     | Salina           |                           | 2.624             | 2.637                 | 2.658    | 0.5               | July 1, 2010                 | S              |          |           |
| Joplin Stone                   | 807101             | S26 T28N R32W     | Jasper Co. MO    | 3/8-, Mansand, Screenings | 2.482             | 2.561                 | 2.695    | 3.2               | July 1, 2010                 |                | 37.12422 | 94.39609  |
| Joplin Stone (WRSW)            | 807101             | S26 T28N R32W     | Jasper Co. MO    | 1/2" Clean                | 2.509             | 2.572                 | 2.678    | 2.5               | May 1, 2013                  |                | 37.11982 | 94.40110  |
| Joplin Stone (WRSW)            | 807101             | S26 T28N R32W     | Jasper Co. MO    | -3/8 Dirty, Mansand       | 2.474             | 2.550                 | 2.678    | 3.1               | May 1, 2013                  |                | 37.11982 | 94.40110  |
| Kaw Sand                       | 811703             | S24 T12S R22E     | Johnson Co.      |                           | 2.594             | 2.610                 | 2.635    | 0.6               |                              |                |          |           |
| Kaw Valley Sand                | 821701             | S29 T11S R 24E    | Wyandotte Co.    |                           | 2.594             | 2.611                 | 2.639    | 0.6               | November 1, 2010             | S              |          |           |
| Klaver                         | 813401             | S20 T26S R26W     | Ford Co.         |                           | 2.615             | 2.624                 | 2.638    | 0.3               | December 1, 2004             | S              |          |           |
| Klaver                         | 813403             | S04 T28S R13W     | Pratt Co.        |                           | 2.613             | 2.623                 | 2.638    | 0.4               | July 1, 2007                 | S              |          |           |
| Klotz                          | 812602             | S16 T24S R34W     | Finney Co.       |                           | 2.609             | 2.627                 | 2.658    | 0.7               | April 1, 2013                | S              |          |           |
| Klotz                          | 812603             | S16 T24S R33W     | Finney Co.       |                           | 2.609             | 2.627                 | 2.658    | 0.7               | October 15, 2004             | S              |          |           |
| Klotz                          | 812604             | S35 T24S R39W     | Hamilton Co.     |                           | 2.606             | 2.615                 | 2.629    | 0.3               | December 1, 2006             | S              |          |           |
| Klotz                          | 812809             | S03 T25S R36W     | Kearny Co.       |                           | 2.605             | 2.622                 | 2.650    | 0.6               | July 1, 2013                 | S              |          |           |
| Knop Concrete                  | 839501             | S06 T20S R11W     | Barton County    |                           | 2.587             | 2.603                 | 2.630    | 0.6               | August 1, 2012               | S              |          |           |
| Krier Blow Sand                | 834801             | S17 T18S R11W     | Barton Co.       |                           | 2.621             | 2.636                 | 2.660    | 0.6               | February 1, 2002             | S              |          |           |
| Lafarge Corp                   | 600609             | S13 T50N R32W     | Jackson Co. MO   | Dust                      | 2.540             | 2.629                 | 2.711    | 2.4               | September 1, 2011            |                | 39.14949 | 94.40087  |
| Lafarge Corp.                  | 600607             | S23 T46N R22W     | Pettis Co., MO   |                           | 2.571             | 2.607                 | 2.699    | 2.1               | May 1, 2004                  |                |          |           |
| Larned Sand                    | 817401             | S04 T22S R16W     | Larned           |                           | 2.600             | 2.620                 | 2.625    | 0.2               | January 1, 2000              |                |          |           |
| Larned Sand                    | 817402             | S08 T22S R16W     | Pawnee Co.       |                           | 2.598             | 2.612                 | 2.636    | 0.6               | June 1, 2009                 | S              |          |           |
| Martin Marietta                | 802244             | S23 T28S R11E     | Elk Co.          |                           | 2.520             | 2.596                 | 2.725    | 3.0               | September 1, 2013            |                |          |           |
| Martin Marietta                | 802244             | S23 T28S R11E     | Elk Co.          | Mansand                   | 2.492             | 2.575                 | 2.719    | 3.4               | July 1, 2011                 |                |          |           |
| Martin Marietta                | 802323             | S10 T13S R04E     | Chapman          | CS1-A, Man Sand           | 2.544             | 2.605                 | 2.705    | 2.4               | July 1, 2002                 |                |          |           |
| Martin Marietta                | 802402             | S14 T14S R04E     | Dickinson Co.    |                           | 2.446             | 2.526                 | 2.659    | 3.3               | May 1, 2007                  |                | 38.84522 | 96.96287  |
| Martin Marietta                | 802422             | S34 T59N R35W     | Andrew Co., MO   | Screenings                | 2.500             | 2.590                 | 2.710    | 3.1               | November 1, 2002             |                |          |           |
| Martin Marietta                | 802422             | S34 T59N R35W     | Andrew Co., MO   | 3/8 x 3/16 Chips          | 2.593             | 2.648                 | 2.742    | 2.1               | November 1, 2002             |                |          |           |
| Martin Marietta                | 802434             | S36 T01N R12E     | Pawnee Co, NE    |                           | 2.511             | 2.577                 | 2.688    | 2.7               | December 1, 2004             |                |          |           |
| Martin Marietta                | 802442             | S34 T10S R09E     | Riley Co.        |                           | 2.460             | 2.570                 | 2.710    | 4.3               | October 1, 1999              |                |          |           |
| Martin Marietta                | 802446             | S10 T14S R4E      | Dickinson Co.    |                           | 2.452             | 2.535                 | 2.675    | 3.4               | April 1, 2008                |                |          |           |
| Martin Marietta                | 802451             | S11 T46N R31W     | Cass Co. MO      |                           | 2.539             | 2.598                 | 2.699    | 2.3               | April 1, 2015                |                | 38.81813 | 94.32591  |
| Martin Marietta                | 802453             | S10 T10N R11E     | Cass Co. NE      | -3/8 ManSand, 1/4" chips  | 2.615             | 2.653                 | 2.719    | 1.5               | July 1, 2006                 |                |          |           |
| Martin Marietta                | 802458             | S35 T01N R12E     | Pawnee Co. NE    |                           | 2.470             | 2.557                 | 2.705    | 3.5               | October 1, 2013              |                |          |           |
| Martin Marietta                | 806001             | S16 T18S R16E     | Melvorn          |                           | 2.469             | 2.550                 | 2.721    | 4.0               | October 1, 1999              |                |          |           |
| Martin Marietta                | 808502             | S29 T32S R08E     | Winfield         |                           | 2.426             | 2.530                 | 2.690    | 3.9               | October 1, 1999              |                |          |           |
| Martin Marietta                | 833901             | S07 T13N R69W     | Cheyenne, Wy     |                           | 2.610             | 2.668                 | 2.772    | 2.5               | December 1, 2004             |                |          |           |
| Martin Marietta (AKA:Walker)   | 802318             | S28 T13S R04E     | Chapman          |                           | 2.454             | 2.527                 | 2.662    | 3.3               |                              |                |          |           |
| Martin Marietta (AKA:Walker)   |                    | S13 T26S R09E     | Greenwood Quarry |                           |                   |                       |          |                   |                              |                |          |           |
| Martin Marietta (BFLS)         | 807301             | S36 T50N R34W     | Riverside, MO    | Dust                      | 2.542             | 2.605                 | 2.714    | 2.5               | July 1, 2008                 |                |          |           |
| Martin Marietta (CS-2)         | 802401             | S11 T14S R04E     | Woodbine         |                           | 2.418             |                       |          |                   | November 1, 1999             |                |          |           |
| Martin Marietta (EVCK)         | 802244             | S23 T28S R11E     | Elk Co.          | Screenings                | 2.475             | 2.559                 | 2.703    | 3.4               | July 1, 2010                 |                | 37.60303 | 96.16333  |

## February 2019 LETTING PROCEDURE II SPECIFIC GRAVITIES

| Producer                             | CMS ID<br>Producer | Legal Description | Location             | Products                   | Bulk Dry<br>(Gsb) | Saturated<br>Surf Dry | Apparent | Percent<br>Absorb | Date Modified<br>or Verified | Chat or<br>SSG | Latitude | Longitude |
|--------------------------------------|--------------------|-------------------|----------------------|----------------------------|-------------------|-----------------------|----------|-------------------|------------------------------|----------------|----------|-----------|
| Martin Marietta (EVCK)               | 802244             | S23 T28S R11E     | Elk Co.              | Screenings                 | 2.509             | 2.576                 | 2.689    | 2.7               | June 1, 2008                 |                |          |           |
| Martin Marietta (EVCK)               | 802244             | S23 T28S R11E     | Elk Co.              | CS-1(-1"), CS-2, 1/2"chips | 2.494             | 2.582                 | 2.733    | 3.5               | February 1, 2007             |                | 37.59893 | 96.17162  |
| Martin Marietta (EVCK)               | 802244             | S23 T28S R11E     | Elk Co.              | 1/4"chips                  | 2.410             | 2.516                 | 2.699    | 4.4               | February 1, 2007             |                | 37.59893 | 96.17162  |
| Martin Marietta (EVCK)               | 802244             | S23 T28S R11E     | Elk Co.              | mansand                    | 2.450             | 2.549                 | 2.719    | 4.0               | February 1, 2007             |                | 37.59893 | 96.17162  |
| Martin Marietta (EVCK)               | 802458             | S35 T01N R12E     | Pawnee Co. NE        |                            | 2.443             | 2.542                 | 2.712    | 4.1               | June 1, 2008                 |                |          |           |
| Martin Marietta (unkwn)              | 802244             | S23 T28S R11E     | Elk Co.              | 1/4" Chips                 | 2.460             | 2.550                 | 2.705    | 3.7               | May 1, 2016                  |                |          |           |
| Martin Marietta (unkwn)              | 802244             | S23 T28S R11E     | Elk Co.              | Mansand                    | 2.506             | 2.585                 | 2.722    | 3.2               | May 1, 2016                  |                |          |           |
| Mc Coy Pit                           | 841201             | S27 T04N R23W     | Furnas, NE           |                            | 2.564             | 2.590                 | 2.638    | 1.1               | September 1, 2002            | S              |          |           |
| Meier's Sand                         | 806801             | S29 T11S R15E     | Shawnee Co.          |                            | 2.596             | 2.611                 | 2.635    | 0.6               | December 1, 2004             | S              |          |           |
| Meier's Sand                         | 820601             | S23 T11S R16E     | Shawnee Co.          |                            | 2.599             | 2.610                 | 2.628    | 0.4               | July 1, 2010                 | S              |          |           |
| Meridian Agg.                        | 808701             | S20 T02S R05E     | Mill Creek, OK       |                            | 2.634             | 2.644                 | 2.661    | 0.4               | April 1, 2001                |                |          |           |
| Meridian Agg.                        | 833902             | S13 T02N R18W     | Kiowa Co. OK         |                            | 2.534             | 2.575                 | 2.641    | 1.6               | April 1, 2001                |                |          |           |
| Mid-American Sand                    | 845401             | S02 T50N R32W     | Clay Co. MO          |                            | 2.570             | 2.589                 | 2.621    | 0.8               | November 1, 2013             | S              |          |           |
| Mid-States Materials                 | 843501             | S21 T15 R16E      | Osage Co.            |                            | 2.511             | 2.580                 | 2.696    | 2.7               | December 1, 2004             |                |          |           |
| Mid-States Materials (CPCK)          | 826101             | S08 T15S R22E     | Johnson Co. KS       | mansand                    | 2.527             | 2.608                 | 2.749    | 3.2               | February 1, 2017             |                |          |           |
| Mid-States Materials (EVCK)          | 802433             | S23 T12S R17E     | Douglas Co.          |                            | 2.476             | 2.556                 | 2.695    | 3.3               | January 1, 2008              |                |          |           |
| Mid-States Materials (EVCK)          | 843505             | S26 T12S R17E     | Douglas Co.          |                            | 2.492             | 2.567                 | 2.694    | 2.5               | September 1, 2015            |                |          |           |
| Mid-States Materials (EVCK)          | 843507             | S26 T12S R17E     | Douglas Co.          |                            | 2.614             | 2.664                 | 2.752    | 1.9               | November 1, 2016             |                |          |           |
| Mid-States Materials (FRLY)          | 826101             | S08 T15S R22E     | Johnson Co. KS       | mansand                    | 2.558             | 2.622                 | 2.726    | 2.4               | February 1, 2017             |                |          |           |
| Mid-States Materials (OWZK)          | 802433             | S23 T12S R17E     | Douglas Co.          | CS-2                       | 2.520             | 2.610                 | 2.773    | 3.6               | May 1, 2009                  |                |          |           |
| Mid-States Materials (OZWK)          | 843505             | S26 T12S R17E     | Douglas Co.          |                            | 2.570             | 2.639                 | 2.769    | 2.8               | September 1, 2015            |                |          |           |
| Mid-States Materials (OZWK)          | 843507             | S26 T12S R17E     | Douglas Co.          |                            | 2.562             | 2.633                 | 2.758    | 2.7               | November 1, 2016             |                |          |           |
| Mid-States Materials (RKBF)          | 843503             | S21 T15 R16E      | Osage Co.            | Mansand                    | 2.621             | 2.659                 | 2.724    | 1.5               | August 1, 2015               |                |          |           |
| Mid-States Materials (RKBF)          | 843505             | S26 T12S R17E     | Douglas Co.          |                            | 2.612             | 2.667                 | 2.765    | 2.1               | September 1, 2015            |                |          |           |
| Mid-States Materials (SPGH)          | 803507             | S12 T23S R17E     | Anderson Co.         | -3/4"                      | 2.520             | 2.596                 | 2.725    | 3.0               | June 1, 2015                 |                | 38.05424 | 95.48704  |
| Mid-States Materials (SPGH)          | 826101             | S08 T15S R22E     | Johnson Co. KS       | mansand                    | 2.491             | 2.580                 | 2.734    | 3.6               | February 1, 2017             |                |          |           |
| Mid-States Materials (WKRS and BLGM) | 800403             | S33 T27S R10E     | Greenwood Co.        |                            | 2.472             | 2.558                 | 2.706    | 3.5               | November 1, 2015             |                |          |           |
| Mid-States Sand (087)                | 843901             | S04 T26S R01W     | Sedgwick Co.         |                            | 2.608             | 2.619                 | 2.638    | 0.4               | May 1, 2013                  |                |          |           |
| Midwest Concrete                     | 817102             | S16 T10S R10E     | Wamego (Wabunsee Co) |                            | 2.603             |                       |          |                   |                              |                |          |           |
| Midwest Concrete                     | 818601             | S31 T10S R08E     | Riley Co. (Kaw Sand) |                            | 2.623             | 2.632                 | 2.647    | 0.4               | July 1, 2010                 | S              |          |           |
| Midwest Minerals                     | 801707             | S34 T34S R17E     | Coffeville           |                            | 2.460             | 2.560                 | 2.73     | 3.9               |                              |                |          |           |
| Midwest Minerals                     | 801709             | S09 T32S R15E     | Table Mound          |                            | 2.550             | 2.605                 | 2.710    | 2.3               |                              |                |          |           |
| Midwest Minerals                     | 801710             | S18 T32S R14E     | Montgomery Co.       |                            | 2.518             | 2.590                 | 2.713    | 2.9               | May 1, 2003                  |                |          |           |
| Midwest Minerals                     | 801712             | S27 T30S R15E     | Neodesha             |                            | 2.586             | 2.640                 | 2.720    | 1.7               |                              |                |          |           |
| Midwest Minerals                     | 801713             | S13 T27S R16E     | Wilson Co.           |                            | 2.466             | 2.548                 | 2.692    | 3.3               | May 1, 2003                  |                |          |           |
| Midwest Minerals                     | 801714             | S18 T29S R16E     | Altoona              |                            | 2.563             |                       |          |                   |                              |                |          |           |
| Midwest Minerals                     | 801715             | S02 T28S R15E     | Benedict             |                            | 2.550             |                       |          |                   |                              |                |          |           |
| Midwest Minerals                     | 801716             | S09 T30N R30W     | Barton Co, MO        |                            | 2.609             | 2.642                 | 2.697    | 1.3               | December 1, 2002             |                |          |           |
| Midwest Minerals                     | 801717             | S36 T29S R14E     | Fredonia             |                            | 2.550             | 2.600                 | 2.690    | 2.1               |                              |                |          |           |
| Midwest Minerals                     | 801721             | S1(12) T28N R23   | Ottawa Co., OK       |                            | 2.430             | 2.520                 | 2.660    | 3.7               |                              |                |          |           |
| Midwest Minerals                     |                    |                   | South Mound          |                            |                   |                       |          |                   |                              |                |          |           |
| Midwest Minerals                     |                    |                   | Jasper, MO           |                            |                   |                       |          |                   |                              |                |          |           |
| Midwest Minerals (CPCK)              | 801709             | S16 T32S R15E     | Montgomery Co.       |                            | 2.544             | 2.607                 | 2.717    | 2.5               | September 1, 2009            |                | 37.26709 | 95.76585  |
| Midwest Minerals (WNRS)              | 801708             | S22 T31S R17E     | Montgomery Co.       | Chips, Scrngs, Mansand     | 2.499             | 2.576                 | 2.704    | 3.0               | March 1, 2015                |                | 37.33814 | 95.53600  |
| Midwest Minerals (WNRS)              | 801708             | S22 T31S R17E     | Montgomery Co.       | Chips, Screenings          | 2.537             | 2.608                 | 2.711    | 2.5               | October 1, 2011              |                | 37.33560 | 95.53460  |
| Midwest Minerals (WNRS)              | 801708             | S22 T31S R17E     | Montgomery Co.       | CS-1A                      | 2.567             | 2.600                 | 2.717    | 2.8               | November 1, 2007             |                | 37.33642 | 95.53547  |
| Midwest Minerals (WNRS)              | 801708             | S22 T31S R17E     | Montgomery Co.       | CS-2                       | 2.473             | 2.564                 | 2.720    | 3.7               | September 1, 2007            |                | 37.33642 | 95.53547  |
| Midwest Minerals (WNRS)              | 801708             | S22 T31S R17E     | Montgomery Co.       | Mansand                    | 2.570             | 2.627                 | 2.726    | 2.3               | September 1, 2007            |                | 37.33642 | 95.53547  |
| Midwest Minerals (WNRS)              | 801711             | S09 T29S R19E     | Neosho Co.           | Mansand (CS-2)             | 2.491             | 2.577                 | 2.724    | 3.4               | November 1, 2010             |                | 37.53576 | 95.32940  |

**February 2019 LETTING  
PROCEDURE II SPECIFIC GRAVITIES**

| Producer                | CMS ID<br>Producer | Legal Description | Location           | Products                     | Bulk Dry<br>(Gsb) | Saturated<br>Surf Dry | Apparent | Percent<br>Absorb | Date Modified<br>or Verified | Chat or<br>SSG | Latitude | Longitude |
|-------------------------|--------------------|-------------------|--------------------|------------------------------|-------------------|-----------------------|----------|-------------------|------------------------------|----------------|----------|-----------|
| Midwest Minerals (WNRS) | 801711             | S09 T29S R19E     | Neosho Co.         |                              | 2.436             | 2.537                 | 2.737    | 4.7               | September 1, 2006            |                | 37.53553 | 95.32708  |
| Midwest Minerals (AMRT) | 801707             | S34 T34S R17E     | Montgomery Co.     | CS-1, CS-1A, CS-2, MNSND     | 2.502             | 2.584                 | 2.726    | 3.3               | August 1, 2010               |                | 37.04469 | 95.52620  |
| Midwest Minerals (BKJG) | 801705             | S06 T35S R21E     | Labette Co.        | 1/2 Chips                    | 2.525             | 2.593                 | 2.709    | 2.7               | April 1, 2013                |                | 37.03218 | 95.15271  |
| Midwest Minerals (CPCK) | 801709             | S09 T32S R15E     | Montgomery Co.     | CS-1a                        | 2.563             | 2.625                 | 2.733    | 2.4               | November 1, 2014             |                | 37.26981 | 95.76734  |
| Midwest Minerals (STNR) | 801710             | S18 T32S R14E     | Montgomery Co.     |                              | 2.567             | 2.620                 | 2.709    | 2.1               | April 1, 2014                |                | 37.25991 | 95.91144  |
| Midwest Minerals (STNR) | 801722             | S27 T30S R15E     | Wilson Co.         | Mansand, screenings          | 2.558             | 2.618                 | 2.722    | 2.3               | June 1, 2015                 |                | 37.41245 | 95.74935  |
| Midwest Minerals (WRLD) | 801707             | S34 T34S R17E     | Montgomery Co.     |                              | 2.441             | 2.540                 | 2.711    | 4.1               | April 1, 2014                |                | 37.04494 | 95.52790  |
| Midwest Minerals (WRLD) | 801719             | S12 T32S R19E     | Labette Co.        | Mansand                      | 2.582             | 2.639                 | 2.737    | 2.2               | February 1, 2015             |                | 37.27997 | 95.28111  |
| Midwest Minerals (WRLD) | 801719             | S12 T32S R19E     | Labette Co.        | Chips                        | 2.579             | 2.627                 | 2.709    | 1.8               | November 1, 2011             |                |          |           |
| Midwest Minerals (WRLD) | 801719             | S12 T32S R19E     | Labette Co.        | Screenings                   | 2.515             | 2.590                 | 2.719    | 3.0               | December 1, 2007             |                | 37.27630 | 95.27959  |
| Mueller Sand            | 806302             | S07 T03S R05E     | Washington Co.     |                              | 2.590             | 2.610                 | 2.630    | 0.7               |                              |                |          |           |
| Mulberry Limestone      |                    |                   | Crawford Co.       |                              | 2.573             | 2.640                 | 2.690    | 1.6               |                              |                |          |           |
| N.A.P. Co (AMZN)        | 802439             | S28 T59N R35W     | Andrew Co. MO      | Mansand, Double Washed       | 2.577             | 2.643                 | 2.753    | 2.4               | September 1, 2014            |                |          |           |
| N.A.P. Co (AMZN)        | 802439             | S28 T59N R35W     | Andrew Co. MO      | Mansand                      | 2.564             | 2.634                 | 2.753    | 2.8               | September 1, 2014            |                |          |           |
| N.A.P. Co (AMZN)        | 802439             | S28 T59N R35W     | Andrew Co. MO      | Screenings                   | 2.534             | 2.608                 | 2.744    | 3.2               | September 1, 2014            |                |          |           |
| Nelson Quarries         | 800106             | S24 T28S R20E     | Neosho Co.         |                              | 2.450             | 2.540                 | 2.700    | 3.8               |                              |                |          |           |
| Nelson Quarries         | 800107             | S25 T30S R15E     | Wilson Co.         |                              | 2.570             | 2.620                 | 2.710    | 2.1               | May 1, 2000                  |                |          |           |
| Nelson Quarries         | 800110             | S36 T27S R15E     | Wilson Co.         |                              | 2.540             | 2.610                 | 2.720    | 3.0               | May 1, 2000                  |                |          |           |
| Nelson Quarries         | 800115             | S20 T30S R24E     | Crawford Co.       |                              | 2.412             | 2.523                 | 2.714    | 4.6               |                              |                |          |           |
| Nelson Quarries         | 800117             | S15 T31S R17E     | Montgomery Co.     | CS-1, CS-1A                  | 2.510             | 2.585                 | 2.714    | 2.9               | September 1, 2003            |                |          |           |
| Nelson Quarries         | 800118             | S25 T24S R20E     | Allen Co.          |                              |                   |                       |          |                   |                              |                |          |           |
| Nelson Quarries         | 800119             | S20 T23S R19E     | Allen Co.          |                              |                   |                       |          |                   |                              |                |          |           |
| Nelson Quarries         | 800120             | S17T25SR24E       | Bourbon Co.        | CS-2                         | 2.506             | 2.557                 | 2.678    | 2.9               | July 1, 2001                 |                |          |           |
| Nelson Quarries         | 800120             | S17T25SR24E       | Bourbon Co.        | CS-1A                        | 2.530             | 2.586                 | 2.663    | 1.8               | February 1, 2002             |                |          |           |
| Nelson Quarries         | 808901             | S05 T28N R24E     | Ottawa Co., OK     |                              | 2.420             | 2.530                 | 2.710    | 4.5               |                              |                |          |           |
| Nelson Quarries         |                    |                   | Woodson Co.        |                              | 2.599             | 2.641                 | 2.715    | 1.6               |                              |                |          |           |
| Nelson Quarries (BFLS)  | 800126             | S17 T25S R24E     | Bourbon Co.        |                              | 2.546             | 2.604                 | 2.701    | 2.3               | September 1, 2007            |                | 37.73467 | 95.06667  |
| Nelson Quarries (HRFD)  | 800125             | S34 T19S R14E     | Coffey Co.         | -1"                          | 2.507             | 2.594                 | 2.747    | 3.5               | September 1, 2015            |                | 38.35915 | 95.85081  |
| Nelson Quarries (HRFD)  | 800125             | S34 T19S R14E     | Coffey Co.         | Mansand, 3/16 Dirt           | 2.521             | 2.596                 | 2.727    | 3.0               | June 1, 2013                 |                | 38.35756 | 95.85007  |
| Nelson Quarries (LBRD)  | 800124             | S17 T25S R24E     | Bourbon Co.        | Screenings, mansand, 1/2" ch | 2.507             | 2.573                 | 2.682    | 2.6               | August 1, 2012               |                | 37.86800 | 94.78930  |
| Nelson Quarries (LBRD)  | 800124             | S17 T25S R24E     | Bourbon Co.        |                              | 2.533             | 2.571                 | 2.668    | 2.3               | July 1, 2007                 |                |          |           |
| Nelson Quarries (RYTN)  | 800101             | S33 T24S R19E     | Allen Co.          |                              | 2.485             | 2.566                 | 2.704    | 3.2               | November 1, 2014             |                | 37.91222 | 95.32786  |
| Nelson Quarries (SPGH)  | 805108             | S30 T21S R20E     | Anderson Co.       | Screenings                   | 2.515             | 2.584                 | 2.699    | 2.7               | February 1, 2011             |                | 38.18572 | 95.25097  |
| Nelson Quarries (STNR)  | 800110             | S36 T27S R15E     | Wilson Co.         |                              | 2.515             | 2.589                 | 2.716    | 3.0               | September 1, 2009            |                | 37.64887 | 95.71446  |
| Nelson Quarries (TRNT)  | 801508             | S11 T24S R15E     | Woodson Co.        | CS-2                         | 2.562             | 2.629                 | 2.745    | 2.6               | October 1, 2004              |                |          |           |
| Nelson Quarries (TRNT)  | 801924             | S26 T25S R13E     | Woodson Co.        | Mansand, - 1/2"              | 2.531             | 2.607                 | 2.739    | 3.0               | October 1, 2015              |                |          |           |
| Nickerson Sand          |                    |                   | Reno Co.           |                              | 2.590             |                       |          |                   |                              |                |          |           |
| Olathe Aggregates       | 831101             | S16 T14S R23E     | Johnson Co. KS     |                              | 2.549             | 2.610                 | 2.700    | 3.0               |                              |                |          |           |
| Overton Sand & Gravel   |                    |                   | Overton, NE        |                              | 2.601             | 2.610                 | 2.625    | 0.4               |                              |                |          |           |
| Paulsen                 | 824501             | S20 T09N R21W     | Lexington NE       |                              | 2.593             | 2.619                 | 2.623    | 0.1               |                              |                |          |           |
| Paulsen Sand & Gr.      | 824301             | S19 T03N R30W     | Red Willow Co., NE |                              | 2.599             | 2.613                 | 2.637    | 0.6               | March 1, 2001                | s              |          |           |
| Paulsen Sand & Gr.      | 824503             | S13 T03N R28W     | Red Willow Co., NE |                              | 2.569             | 2.589                 | 2.615    | 0.6               | January 1, 2010              | s              | 40.22425 | 100.42759 |
| Penny's Conc. (CPCK)    | 800309             | S23 T16S R20E     | Franklin Co.       |                              | 2.499             | 2.580                 | 2.715    | 3.2               | August 1, 2012               |                | 38.64124 | 95.15901  |
| Penny's Conc. (SPGH)    | 800309             | S23 T16S R20E     | Franklin Co.       | Dust                         | 2.475             | 2.567                 | 2.726    | 3.7               | April 1, 2013                |                | 38.64138 | 95.15871  |
| Penny's Conc. (STNR)    | 800309             | S23 T16S R20E     | Franklin Co.       |                              | 2.463             | 2.547                 | 2.690    | 3.4               | February 1, 2012             |                | 38.64302 | 95.15793  |
| Pioneer                 | 823601             | S9/13BLKCKB-3     | Borger TX          |                              | 2.520             |                       |          |                   |                              |                |          |           |
| Pioneer (Western S & G) | 826601             | S69-BLK G&M       | Boys Ranch, TX     |                              | 2.606             |                       |          |                   |                              |                |          |           |
| Popejoy Const.          | 812809             | S03 T25S R36W     | Kearny Co.         |                              | 2.581             | 2.600                 | 2.630    | 0.7               |                              |                |          |           |

## February 2019 LETTING PROCEDURE II SPECIFIC GRAVITIES

| Producer                            | CMS ID<br>Producer | Legal Description | Location         | Products | Bulk Dry<br>(Gsb) | Saturated<br>Surf Dry | Apparent | Percent<br>Absorb | Date Modified<br>or Verified | Chat or<br>SSG | Latitude | Longitude  |
|-------------------------------------|--------------------|-------------------|------------------|----------|-------------------|-----------------------|----------|-------------------|------------------------------|----------------|----------|------------|
| Popejoy Const., Inc.                | 812809             | S03 T25S R36W     | Kearny Co.       |          | 2.599             | 2.615                 | 2.641    | 0.6               | December 1, 2004             | S              |          |            |
| Popejoy Const., Inc.                | 812822             | S28 T03S R40W     | Cheyenne Co.     |          | 2.592             | 2.610                 | 2.639    | 0.7               | August 1, 2007               | s              | 39.76946 | -101.82031 |
| Poudre-Tech                         | 832901             | S28 T06N R67W     | Windsor, Co      |          | 2.580             | 2.620                 | 2.680    |                   |                              |                |          |            |
| Quik Sand                           | 820101             | S30 T26S R01E     | Sedgewick Co.    |          | 2.600             | 2.618                 | 2.634    | 0.4               | September 1, 2002            | S              |          |            |
| Quik Sand                           | 820103             | S23 T26S R01W     | Sedgewick Co.    |          | 2.590             | 2.609                 | 2.640    | 0.6               | August 1, 2006               | S              |          |            |
| Quik Sand                           | 820104             | S34 T28S R01E     | Sedgewick Co.    |          | 2.596             | 2.611                 | 2.636    | 0.6               | August 1, 2006               | S              |          |            |
| Randall Sand                        |                    |                   | Ford, KS         |          | 2.592             |                       |          |                   |                              |                |          |            |
| Ritchie Sand                        | 819301             | S35 T26S R01W     | Sedgewick Co.    |          | 2.588             | 2.610                 | 2.640    | 0.9               | December 1, 2002             | S              |          |            |
| Sedan Limestone                     | 801601             | S33 T33S R11E     | Chautauqua Co.   |          | 2.570             |                       |          |                   |                              |                |          |            |
| Shaffer Pit (Venture Corp)          |                    | S26 T14S R13W     | Russell Co.      |          | 2.634             | 2.640                 | 2.649    | 0.2               | September 1, 2000            |                |          |            |
| Shawnee Rock (Argentine Ledge)      | 803705             | S10 T14S R23E     | Johnson Co.      |          | 2.552             | 2.614                 | 2.720    | 2.4               | April 1, 2005                |                |          |            |
| Shawnee Rock (Argentine Ledge)      | 803706             | S12 T12S R23E     | Johnson Co.      |          | 2.477             | 2.562                 | 2.709    | 3.5               | May 1, 2005                  |                |          |            |
| Shawnee Rock (ARGN Ledge)           | 803705             | S10 T14S R23E     | Johnson Co.      | Dust     | 2.555             | 2.621                 | 2.744    | 2.6               | September 1, 2008            |                | 38.85213 | 94.84732   |
| Shawnee Rock (Captains Creek Ledge) | 803705             | S10 T14S R23E     | Johnson Co.      |          | 2.529             | 2.604                 | 2.735    | 3.0               | June 1, 2003                 |                |          |            |
| Shawnee Rock (CPCCK Ledge)          | 803705             | S10 T14S R23E     | Johnson Co.      |          | 2.543             | 2.607                 | 2.716    | 2.5               | October 1, 2009              |                | 38.85159 | 94.84868   |
| Shawnee Rock (CPCCK Ledge)          | 803705             | S10 T14S R23E     | Johnson Co.      |          | 2.486             | 2.568                 | 2.708    | 3.3               | November 1, 2006             |                | 38.85113 | 94.84512   |
| Shawnee Rock (DRUM Ledge)           | 803701             | S01 T12S R23E     | Johnson Co.      |          | 2.524             | 2.605                 | 2.748    | 3.2               | August 1, 2009               |                | 39.02871 | 94.80701   |
| Shawnee Rock (Farley Ledge)         | 803705             | S10 T14S R23E     | Johnson Co.      |          | 2.568             | 2.625                 | 2.713    | 2.1               | September 1, 2007            |                | 38.85158 | 94.84464   |
| Shawnee Rock (LFRLY Ledge)          | 803701             | S01 T12S R23E     | Johnson Co.      | Dust     | 2.510             | 2.595                 | 2.745    | 3.4               | September 1, 2008            |                | 39.02928 | 94.80807   |
| Shawnee Rock (RYTN Ledge)           | 803701             | S01 T12S R23E     | Johnson Co.      |          | 2.545             | 2.613                 | 2.732    | 2.7               | October 1, 2006              |                |          |            |
| Shawnee Rock (RYTN Ledge)           | 803703             | S06 T12S R24E     | Johnson Co.      |          | 2.567             | 2.628                 | 2.734    | 2.4               | May 1, 2004                  |                |          |            |
| Shawnee Rock (Springhill Ledge)     | 803705             | S10 T14S R23E     | Johnson Co.      | Dust     | 2.471             | 2.570                 | 2.745    | 4.0               | May 1, 2007                  |                | 38.85145 | 94.84608   |
| Shawnee Rock (STNR Ledge)           | 803705             | S10 T14S R23E     | Johnson Co.      |          | 2.492             | 2.565                 | 2.688    | 2.9               | July 1, 2006                 |                | 38.85153 | 94.84715   |
| Shawnee Rock (Stoner Ledge)         | 803705             | S10 T14S R23E     | Johnson Co.      |          | 2.488             | 2.568                 | 2.704    | 3.2               | January 1, 2002              |                |          |            |
| Shawnee Rock (UFRLY Ledge)          | 803701             | S01 T12S R23E     | Johnson Co.      | Dust     | 2.524             | 2.601                 | 2.735    | 3.1               | June 1, 2007                 |                | 39.02944 | 94.80856   |
| Shawnee Rock (UFRLY Ledge)          | 803701             | S01 T12S R23E     | Johnson Co.      |          | 2.561             | 2.617                 | 2.715    | 2.2               | February 1, 2004             |                |          |            |
| Shawnee Rock Argentine Ledge        |                    |                   | Olathe, KS       |          | 2.521             | 2.600                 | 2.730    | 3.0               |                              |                |          |            |
| Shawnee Rock Farley Ledge           |                    |                   | Olathe, KS       |          | 2.496             | 2.582                 | 2.730    | 3.4               |                              |                |          |            |
| Smith Sand                          | 810503             | S14 T24S R33W     | Finney Co.       |          | 2.609             | 2.618                 | 2.635    | 0.4               | January 1, 2000              | S              |          |            |
| Smith Sand                          | 810506             | S14 T24S R37W     | Kearny Co.       |          | 2.607             | 2.621                 | 2.645    | 0.5               | April 1, 2002                | S              |          |            |
| Smith Sand                          | 810516             | S30 T23S R42W     | Hamilton Co.     |          | 2.574             | 2.616                 | 2.674    | 1.5               | April 1, 2003                | S              |          |            |
| Sober Sand                          | 843701             | S25 T26N R02E     | Kay Co. OK       |          | 2.598             | 2.611                 | 2.633    | 0.5               | July 1, 2007                 | S              |          |            |
| Southeast Sand                      | 817801             | S20 T23S R05W     | Reno Co.         |          | 2.585             | 2.610                 | 2.640    | 0.9               |                              |                |          |            |
| Southway                            | 835201             | S07 T26N R36E     | Clayton NM       |          | 2.783             | 2.862                 | 2.942    | 2.1               | March 1, 2003                |                |          |            |
| Springfield Underground (BLTN)      | 807001             | S10 T29N R21W     | Greene Co. MO    |          | 2.629             | 2.654                 | 2.695    | 0.9               | June 1, 2011                 |                | 93.22149 | 37.22456   |
| Sterling Sand                       | 818301             | S04 T22S R08W     | Rice Co.         |          | 2.602             |                       |          |                   |                              |                |          |            |
| Stone Sand                          | 810201             | S32 T19S R13W     | Barton Co.       |          | 2.603             | 2.612                 | 2.627    | 0.3               | January 1, 2000              | S              |          |            |
| Sunflower Sand                      | 818101             | S23 T21S R09W     | Rice Co.         |          | 2.590             | 2.610                 | 2.630    | 0.6               | January 1, 2000              | S              |          |            |
| T&F Sand/Gravel                     | 824902             | S08 T08N R18W     | Buffalo Co. NE   |          | 2.598             | 2.614                 | 2.643    | 0.7               | October 1, 2009              | S              |          |            |
| Trap Rock And Granite               | 845303             | S12 T34N R03E     | Iron Co. MO      | Mansand  | 2.645             | 2.656                 | 2.674    | 0.4               | December 1, 2016             |                |          |            |
| TXI (Martin-Marietta)               | 840402             | S26 T02S R04E     | Johnston Co., OK |          | 2.810             | 2.826                 | 2.857    | 0.6               | February 1, 2013             |                |          |            |
| Venture                             | 610109             | S07 T32S R11W     | Barber Co.       |          | 2.595             | 2.610                 | 2.634    | 0.6               | February 1, 2005             | S              | 37.28160 | 98.56049   |
| Venture                             | 808317             | S24 T13S R40W     | Wallace Co.      |          | 2.588             | 2.609                 | 2.643    | 0.8               | March 1, 2004                | S              |          |            |
| Venture                             | 810119             | S32 T14S R23W     | Trego Co.        |          | 2.616             | 2.629                 | 2.649    | 0.5               | May 1, 2006                  | S              | 38.79394 | 99.89434   |
| Venture                             | 810120             | S15 T29S R15W     | Pratt Co.        |          | 2.608             | 2.631                 | 2.669    | 0.9               | April 1, 2012                | S              |          |            |
| Versatile Construction              | 848201             | S17 T35N R26W     | Union Co. NM     |          | 2.797             | 2.587                 | 2.975    | 2.1               | April 1, 2016                |                |          |            |
| VJ Stone                            | 844601             | S25 T06N R14W     | Kiowa Co.        |          | 2.648             | 2.678                 | 2.729    | 1.1               | March 1, 2008                |                |          |            |
| Wade Limestone                      | 805004             | S28 T18S R25E     | Miami Co.        |          | 2.497             | 2.520                 | 2.690    | 4.1               |                              |                |          |            |

**February 2019 LETTING  
PROCEDURE II SPECIFIC GRAVITIES**

| Producer                         | CMS ID<br>Producer | Legal Description | Location              | Products             | Bulk Dry<br>(Gsb) | Saturated<br>Surf Dry | Apparent | Percent<br>Absorb | Date Modified<br>or Verified | Chat or<br>SSG | Latitude | Longitude |
|----------------------------------|--------------------|-------------------|-----------------------|----------------------|-------------------|-----------------------|----------|-------------------|------------------------------|----------------|----------|-----------|
| Wade Limestone                   | 805007             | S32 T19S R23E     | Linn Co.              |                      | 2.464             | 2.558                 | 2.718    | 3.8               | December 1, 2002             |                |          |           |
| Wade Limestone                   |                    | S01 T13S R18E     | Douglas Co.           |                      |                   |                       |          |                   |                              |                |          |           |
| Wade Limestone (BFLS)            | 805009             | S20 T19S R25E     | Linn Co.              |                      | 2.477             | 2.581                 | 2.767    | 4.2               | April 1, 2005                |                | 38.37882 | 94.67535  |
| Wade Limestone (WNRS)            | 805002             | S20 T19S R25E     | Linn Co.              | CS-1A, CS-2, Mansand | 2.496             | 2.576                 | 2.713    | 3.2               | December 1, 2014             |                | 38.37638 | 94.67629  |
| Wade Limestone (WNRS)            | 805007             | S32 T19S R23E     | Linn Co.              | CS-1A                | 2.550             | 2.610                 | 2.715    | 2.4               | May 1, 2016                  |                | 38.35178 | 94.89546  |
| Wade Limestone (WNRS)            | 805007             | S32 T19S R23E     | Linn Co.              | Screenings           | 2.497             | 2.573                 | 2.701    | 3.0               | May 1, 2016                  |                | 38.35178 | 94.89546  |
| Wade Quarries (SPGH)             | 805011             | S16 T20S R20E     | Anderson Co.          | -3/8" chip           | 2.439             | 2.548                 | 2.727    | 4.5               | August 1, 2012               |                | 38.31148 | 95.20013  |
| Warrego Sand                     |                    | S33 T10S R07E     | Riley Co.             |                      | 2.587             | 2.610                 | 2.650    | 0.9               |                              |                |          |           |
| Warner                           |                    |                   | Hastings, NE          |                      |                   |                       |          |                   |                              |                |          |           |
| Wes-Kan Construction             | 808303             | S30 T15S R18W     | Ellis Co.             |                      | 2.600             | 2.615                 | 2.640    | 0.6               |                              |                |          |           |
| Western Resources                |                    |                   | St. Mary's Bottom Ash |                      | 2.469             | 2.606                 | 2.883    | 6.0               |                              |                |          |           |
| Whitaker                         | 800205             | S12 T34S R07E     | Cowley Co.            |                      | 2.558             | 2.612                 | 2.705    | 2.1               | August 1, 2015               |                |          |           |
| Whitaker                         | 800205             | S12 T34S R07E     | Cowley Co.            | Buckshot             | 2.506             | 2.583                 | 2.716    | 3.1               | August 1, 2009               |                |          |           |
| Whitaker                         | 800205             | S12 T34S R07E     | Cowley Co.            | Screenings/buckshot  | 2.470             | 2.552                 | 2.691    | 3.4               | June 1, 2006                 |                |          |           |
| Whitaker                         | 802444             | S21 T32S R08E     | Cowley Co.            | CS-1A                | 2.503             | 2.570                 | 2.682    | 2.6               | June 1, 2015                 |                |          |           |
| Whitaker                         | 802444             | S21 T32S R08E     | Cowley Co.            | CS-2                 | 2.445             | 2.548                 | 2.725    | 4.2               | June 1, 2015                 |                |          |           |
| Whitaker                         | 802444             | S21 T32S R08E     | Cowley Co.            | CS-1A, CS-2A,CS-2    | 2.482             | 2.565                 | 2.706    | 3.3               | May 1, 2010                  |                |          |           |
| Whitaker                         | 802444             | S21 T32S R08E     | Cowley Co.            | CS-2                 | 2.454             | 2.546                 | 2.696    | 3.6               | March 1, 2007                |                | 37.25346 | 96.53782  |
| Whitaker                         | 802444             | S21 T32S R08E     | Cowley Co.            | CS-1A                | 2.544             | 2.598                 | 2.692    | 2.2               | March 1, 2007                |                | 37.25346 | 96.53782  |
| Whitaker                         | 802444             | S21 T32S R08E     | Cowley Co.            | CS-2A                | 2.538             | 2.593                 | 2.687    | 2.2               | March 1, 2007                |                | 37.25346 | 96.53782  |
| Whitaker                         | 847201             | S20 T32S R08E     | Cowley Co.            |                      | 2.506             | 2.573                 | 2.686    | 2.6               | June 1, 2012                 |                |          |           |
| Whitaker (CPK/SP)                | 800201             | S01 T20S R19E     | Anderson Co.          | mansand              | 2.473             | 2.563                 | 2.716    | 3.6               | September 1, 2012            |                | 38.34611 | 95.25411  |
| Whitaker (Mound City) BFLS Ledge | 800208             | S19 T22S R24E     | Linn Co.              | Mansand, Screenings  | 2.491             | 2.561                 | 2.678    | 2.8               | October 1, 2013              |                | 38.11569 | 94.81990  |
| Whitaker (SNBD/ST)               | 800304             | S32 T21S R19E     | Anderson Co.          | Mansand              | 2.551             | 2.605                 | 2.696    | 2.1               | February 1, 2015             |                | 38.17306 | 95.22595  |
| White                            |                    |                   | Kanopolis             |                      | 2.591             | 2.616                 | 2.656    | 0.9               |                              |                |          |           |
| Whitfield Sand                   | 813411             | S20 T21S R07W     | Rice Co.              |                      | 2.604             | 2.619                 | 2.644    | 0.6               | February 1, 2002             | S              |          |           |
| Whitfield Sand                   |                    |                   | Pratt Pit             |                      | 2.620             |                       |          |                   |                              |                |          |           |
| Whitfield Sand                   |                    |                   | Sawyer Pit            |                      | 2.600             |                       |          |                   |                              |                |          |           |
| Whitfield Sand (Shears/Ventures) |                    | S20 T21S R15W     | Pawnee County         |                      | 2.605             | 2.616                 | 2.634    | 0.4               |                              |                |          |           |
| Whitney Sand & Gr.               | 824402             | S32 T03N R32W     | Hitchcock Co, NE      |                      | 2.570             | 2.590                 | 2.620    | 0.8               |                              |                |          |           |
| Ysidro Sand                      | 847401             | S25T29SR01E       | Sedgwick County       |                      | 2.599             | 2.613                 | 2.636    | 0.6               | March 1, 2013                | S              |          |           |