



Schedule of Origin Volatility Requirements

N GRADE

	Jan. 1-15	Jan. 16-31	Feb. 1-15	Feb. 16-29	Mar. 1-31	Apr. 1-30	May 1-31	June 1-30	July 1-31	Aug. 1-31	Sept. 1-15	Sept. 16-30	Oct. 1-31	Nov. 1-30	Dec. 1-31
Oklahoma	15.00 E-5	13.50 D-5	13.50 D-4	11.50 C-4	8.50 A-4	8.50 A-3	9.00 A-3	9.00 A-2	9.00 A-2	9.00 A-2	9.00 A-2	10.00 B-2	11.50 C-3	13.50 D-4	15.00 E-5
Kansas	15.00 E-5	13.50 D-5	13.50 D-5	11.50 C-5	8.50 A-4	8.50 A-3	9.00 A-3	9.00 A-2	9.00 A-2	9.00 A-2	9.00 A-2	10.00 B-2	11.50 C-3	13.50 D-4	15.00 E-5
Illinois	15.00 E-5	13.50 D-5	13.50 D-5	11.50 C-5	8.50 A-5	8.50 A-4	9.00 A-4	9.00 A-3	9.00 A-3	9.00 A-3	9.00 A-3	11.50 C-3	13.50 D-4	15.00 E-5	15.00 E-5
Nebraska	15.00 E-5	13.50 D-5	13.50 D-5	11.50 C-5	8.50 A-5	8.50 A-4	9.00 A-3	9.00 A-2	9.00 A-2	9.00 A-2	9.00 A-2	10.00 B-2	11.50 C-3	13.50 D-4	15.00 E-5
N. Dakota	15.00 E-5	13.50 D-5	13.50 D-5	11.50 C-5	8.50 A-5	8.50 A-4	9.00 A-4	9.00 A-3	9.00 A-2	9.00 A-2	9.00 A-2	11.50 C-3	13.50 D-4	15.00 E-5	15.00 E-5
Minnesota	15.00 E-5	13.50 D-5	13.50 D-5	11.50 C-5	8.50 A-5	8.50 A-4	9.00 A-4	9.00 A-3	9.00 A-3	9.00 A-3	9.00 A-3	11.50 C-3	13.50 D-4	15.00 E-5	15.00 E-5
Wisconsin	15.00 E-5	13.50 D-5	13.50 D-5	11.50 C-5	8.50 A-5	8.50 A-4	9.00 A-4	9.00 A-3	9.00 A-3	9.00 A-3	9.00 A-3	11.50 C-3	13.50 D-4	15.00 E-5	15.00 E-5
Texas	13.50 D-4	13.50 D-4	13.50 D-4	11.50 C-3	9.00 A-2	9.00 A-2	9.00 A-1	9.00 A-1	9.00 A-1	9.00 A-1	9.00 A-1	10.00 B-2	11.50 C-3	13.50 D-4	13.50 D-4

NOTE: Gulf Coast origin changeover dates will precede this schedule by approximately 10 days, depending upon the applicable Explorer Pipeline cycle. Shipments via Explorer Pipeline must meet the specification applicable to the anticipated West Tulsa delivery date. Gulf Coast shippers will be advised of these dates through seasonal letters.