

APPENDIX C
PRODUCT CODES

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<u>CODE</u>	<u>CLASS</u>	<u>Specialty Grades</u>	<u>AKI</u>
10	S	Isomerized Naphtha	55-70
11	S	Naphtha (Sour)	55-70
12	S	Naphtha	55-70
13	S	Naphtha Mix	55-70
14	S	Natural Gasoline	
1A	S	Natural Gasoline Low Sulfur	-
1B	S	Natural Gasoline High Sulfur	
1C	S	Future	
15	S	Alkylate	90-100
16	S	Reformate	95-105
17	S	Iso Octane	100
18	S	Raffinate	55-70
19	S	HUF/Toluene	-

S = Segregated
F = Fungible

<u>CODE</u>	<u>CLASS</u>	Conventional Premium	<u>AKI</u>
20		Future	
21	S	Houston-Dallas Area	93.0
22			
23		Future	
24			93.0
25		Future	
26		Future	
27	S	Future	
28			93.0
29	S	Future	

- S = Segregated Shipments
- W = Magellan Pipe Line Batch
- FG-2 = All non-hydrocarbons (oxygenates) are prohibited.
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<u>CODE</u>	<u>CLASS</u>	Conventioanal Premium	<u>AKI</u>
30		Future	
31	FG-2	Houston-Dallas Area	93.0
32	W	Tulsa Area MPL "A" Grade Non-Oxygenated	93.0
33	W	Tulsa Area MPL "A-1" Grade Non-Oxygenated	93.0
34	S	St. Louis, Missouri	93.0
35	S	Illinois - Indiana - St. Louis Missouri	93 After Blending
36	FG-2	Central Missouri & Southern Illinois	93.0
37	FG-2	Hammond/Griffith Indiana	93.0
38	S	Illinois-Indiana	93.0
39		Future	
3E	S	Premium Illinois Only	93.0

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**Premium Blendstock for Oxygenated Blending
Dallas Area**

<u>CODE</u>	<u>CLASS(1)</u>	<u>MODEL(2)</u>	<u>DESTINATION</u>	<u>REGION</u>	<u>VOC CONTROLLED YES/NO(3)</u>	<u>RVP MAX.</u>	<u>OXYGEN MIN./MAX.</u>	<u>AKI MIN.</u>	<u>ETHANOL (92% PURITY) BLEND RATE % BY VOLUME</u>	<u>AKI AFTER BLENDING</u>	<u>Emissions Performance Reduction(%)</u>
3C	F	CM	Houston-Dallas Area	1	Yes	Report*		Report	10.0	93	27.0
3D	F	CM	Houston-Dallas Area		No	**		Report	10.0	93	

- (1) Class: F = Fungible; S = Segregated
 (2) CM = Complex Model
 (3) Yes = VOC Controlled; No = Non-VOC Controlled

- * RVP May - Sept 15th.
 ** ASTM RVP Will Apply

Premium Blendstock Chicago Area

<u>CODE</u>	<u>CLASS(1)</u>	<u>DESTINATION</u>	<u>REGION</u>	<u>VOC CONTROLLED YES/NO(3)</u>	<u>RVP MAX.</u>	<u>OXYGEN MIN./MAX.</u>	<u>AKI MIN.</u>	<u>ETHANOL (92% PURITY) BLEND RATE % BY VOLUME</u>	<u>AKI AFTER BLENDING</u>	<u>Emissions Performance Reduction(%)</u>
3X	F	Chicago Area		NO	**		Report	10.0	93.0	
3U	F	Chicago Area	2	YES	Report*		Report	10	93.0	25.4
3Z	S	Chicago Area	2	NO	**		Report	Report	Report	

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** ASTM RVP Will Apply

Premium Blendstock St. Louis Area

<u>CODE</u>	<u>CLASS(1)</u>	<u>MODEL(2)</u>	<u>DESTINATION</u>	<u>REGION</u>	<u>VOC CONTROLLED YES/NO(3)</u>	<u>RVP MAX.</u>	<u>OXYGEN MIN./MAX.</u>	<u>AKI MIN.</u>	<u>ETHANOL (92% PURITY) BLEND RATE % BY VOLUME</u>	<u>AKI AFTER BLENDING</u>	<u>Emissions Performance Reduction(%)</u>
3S	F	CM	St. Louis Area	1	YES	7.2*		Report	10.0	93.0	27.0
3T	F	CM	St. Louis Area		NO	**		Report	10.0	93.0	
3R	S	CM	St. Louis Area	1	YES	7.2*		Report	10.0		27.0
3V	S	CM	St. Louis Area		NO	**		Report	10.0		

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<u>CODE</u>	<u>CLASS</u>	Conventional & Ethanol Blends of Regular Gasoline	<u>AKI</u>
40	W	Tulsa Area MPL "N-2" Grade Non-Oxygenate	87.0
41	FG-2	Houston - Dallas	87.0
42	W	Tulsa Area MPL "N" Grade Non-Oxygenate	87.0
43	W	Tulsa Area MPL "N-1" Grade Non-Oxygenate	87.0
44	S	Region 1 Cbob	87.0 after blending
45	S	Region 2 Cbob	87.0 after blending
46	FG-2	Illinois - Indiana - Missouri	87.0
47	S	Illinois - Indiana - Missouri	87.0
48		(Reprocessed) Hammond, Indiana	87.0
49	S	Buffer	87.0
4E	S	Conventional Illinois Only	87.0 before blending
4F	W	Sub Octane Blend Stock	7.8 RVP Magellan V-78
4G	W	Sub Octane Blend Stock	6.8 RVP Magellan V-68

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Blendstock for Oxygenated Blending Dallas Area

<u>CODE</u>	<u>CLASS(1)</u>	<u>MODEL(2)</u>	<u>DESTINATION</u>	<u>REGION</u>	VOC	RVP	OXYGEN	AKI	ETHANOL	AKI	Emissions
					CONTROLLED			MON	(92% PURITY)	AFTER	Performance
					<u>YES/NO(3)</u>	<u>MAX.</u>	<u>MIN./MAX.</u>	<u>MIN.</u>	<u>% BY VOLUME</u>	<u>BLENDING</u>	<u>Reduction(%)</u>
4C	F	CM	Houston-Dallas Area	1	YES	Report		82.0	10	87	27.0
4D	F	CM	Houston-Dallas Area	1	NO	**		82.0	10	87	

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Reformulated Blendstock

<u>CODE</u>	<u>CLASS(1)</u>	<u>MODEL(2)</u>	<u>DESTINATION</u>	<u>REGION</u>	<u>VOC CONTROLLED YES/NO(3)</u>	<u>RVP MAX.</u>	<u>OXYGEN MIN./MAX.</u>	<u>AKI MON MIN.</u>	<u>ETHANOL (92% PURITY) BLEND RATE % BY VOLUME</u>	<u>AKI AFTER BLENDING</u>	<u>Emissions Performance Reduction(%)</u>
4S	F	CM	St. Louis	1	YES	7.2*		82.0	10.0	87.0	27.0
4T	F	CM	St. Louis	1	NO	**		82.0	10.0	87.0	
4X	F	CM	Chicago Area	2	NO	**		82.0	10.0	87.0	
4U	F	CM	Chicago Area	2	YES	Report*		82.0	10.0	87.0	25.4

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<u>CODE</u>	<u>CLASS</u>	Jet Fuel and Kerosine	
50	S	Jet Fuel JP-8 (Military)	
51	FJ-1	Jet Fuel A	
52	W	Jet Fuel "A" (MPL "Q" Grade)	
54	FJ-2	Jet Fuel A (Bonded)	
56	S	Low Sulfur Kerosine (1-K) Max. 400 ppm Sulfur	
57	S	ULSD Jet	Not in system yet! New
58	S	Jet Fuel JP-4 (Military)	
59	FJ-1	Buffer Stock (J-40) (Aviation Jet Fuel A)	
60		Future	
62	W	No. 1 Fuel Oil Max. 470 ppm sulfur	
64	S	ULSD Kerosene	
6Y	W	ULSD Kerosene (MPL Y grade)	New

F = Fungible
 W=Magellan Pipe Line Batch
 FJ-1 = Fungible Jet Fuel
 FJ-2 = Fungible Jet Fuel (Bonded)

<u>CODE</u>	<u>CLASS</u>	Distilates
72	W	No. 2 Fuel - 40 Cetane - Magellan LSD (Max. 0.047 Sulfur) Off Road
73	W	Low Sulfur Diesel Fuel (Max. 0.047 Sulfur) Magellan LSD
74	LSD-1	Low Sulfur Diesel Fuel (Max. 0.047 Sulfur) Locomotive & Marine
75	F, O-3	ULSD
77	LED-1	Texas Low Emission Diesel ULSD On Road
7B	LED-1	Texas Low Emission Diesel ULSD Off Road
79		ULSD - Payback Barrels
7X	W	No. 2 Fuel - 40 Cetane - Magellan ULSD On Road
7H	W	High Sulfur Dyed (Magellan X5 grade)
7V	F, O-3	ULSD Off Road
7A	F	Low Sulfur Diesel Fuel Off Road
7R	W	ULSD Off Road
7C	S	Compliant Txled (does not require additization)
7D	S	Typical ULSD (75 Grd) as Buffer for 1B

F = Fungible

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O-3 = Fungible ULSD Fuel Oils (10 ppm Sulfur at Origin)

LSD-1 = Fungible Low Sulfur Diesel Fuel On Road

LED-1 = Fungible Low Emission Diesel ULSD Blendstock for East Texas

Distillate and Transmix

<u>CODE</u>	<u>CLASS</u>	
80	S	Light Cycle Oil (Undyed)
81	S	Unfinished Distillate (Undyed)
90	F	Transmix
91	F	Transmix(Direct Sale From Pool)
92	F	Transmix (Not in Transmix Pool)
97	F	Transmix (Received From Shipper in Fuel Oil)
F	=	Fungible
S	=	Segregated