

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 Light	70-85 gravity 65-75 <200 ppm sulfur
12	S	Naphtha Heavy	50-70 gravity 55-65 >200 ppm sulfur
13	S	Future	
1E	S	Naphtha No DRA	55-70
1F	S	Future	
14	S	Natural Gasoline	
1A	S	Natural Gasoline/diluent Low Sulfur	
1B	S	Natural Gasoline/diluent 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	95

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	W	Magellan Conventional Premium	91.0
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.
- F = Fungible

<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	93-91
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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(3) Yes = VOC Controlled; No = Non-VOC Controlled

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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	F	Region 1 Cbob	87.0 after blending
45	F	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
4H	W	Sub Octane Blend Stock	6.6 RVP Magellan V-66
4J	W	Sub Octane Blend Stock	Texas grade
4K	W	Sub Octane Blend Stock	To meet Magellan seasonal specifications
	S	= Segregated Shipments	
	F	= Fungible	
	W	= Magellan Pipe Line Batch	
	FG-2	= All non-hydrocarbons (oxygenates) are prohibited.	

Blendstock for Oxygenated Blending Dallas Area

<u>CODE</u>	<u>CLASS(1)</u>	<u>MODEL(2)</u>	<u>DESTINATION</u>	<u>REGION</u>	VOC	<u>RVP</u>	<u>OXYGEN</u>	<u>AKI</u> <u>MON</u>	ETHANOL	<u>AKI</u> <u>AFTER</u>	Emissions
					<u>CONTROLLED</u>				<u>YES/NO(3)</u>		<u>MIN./MAX.</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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(2) CM = Complex Model

(3) Yes = VOC Controlled; No = Non-VOC Controlled

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Reformulated Blendstock

CODE	CLASS(1)	MODEL(2)	DESTINATION	REGION	VOC		OXYGEN MIN./MAX.	AKI MON MIN.	ETHANOL (92% PURITY)		Emissions Performance Reduction(%)
					CONTROLLED YES/NO(3)	RVP MAX.			BLEND RATE % BY VOLUME	AKI AFTER BLENDING	
4S	F	CM	St. Louis	1	YES	7.8 Report*		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

(1) Class: F = Fungible; S = Segregated

(2) CM = Complex Model

(3) Yes = VOC Controlled; No = Non-VOC Controlled

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Jet /Kerosene

<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!
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	Notes
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	
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	
7E	S	Typical ULSD (75 Grd) as Buffer for 80 grd	
7R	F	ULSD with 5% renewable Diesel	Not for delivery in Texas

F = Fungible

W=Magellan Pipe Line Batch

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)
9A	F	Shipper Transmix
F	=	Fungible
S	=	Segregated

Product Name	Product Code	Critical Characteristics
Naphtha	10,11,12,1E	Low Octane
Natural Gasoline/Diluent	14,1A,1B	Low Olefins
Alkylate	15	High Octane
Reformate	16	High Octane
Iso Octane	17	High Octane
Raffinate	18	Low Octane
Toluene	19	High Octane
Conventional Premium	21,22,31,32,33,34,36,37,38,3E	High Octane
Premium Cbob	35	High Octane
Premium Rbob (Pbob)	3C,3D,3X,3U,3Z,3S,3T,3R,3V	High Octane
Conventional Regular	40,41,42,43,46,47,48,4E	
Conventional Cbob	44,45	
Regular Rbob	4C,4D,4S,4T,4X,4U	
Jet	50,51,52,54,56,58,	High Sulfur
ULSD Jet	57	Very Low Sulfur
ULSD Kerosene	64,6Y	Very Low Sulfur
ULSD	75,77,7B,7X,7V,7R,7C	Very Low Sulfur
Renewable ULSD	7R	Very Low Sulfur
Light Cycle Oil	80,81	Very High Sulfur