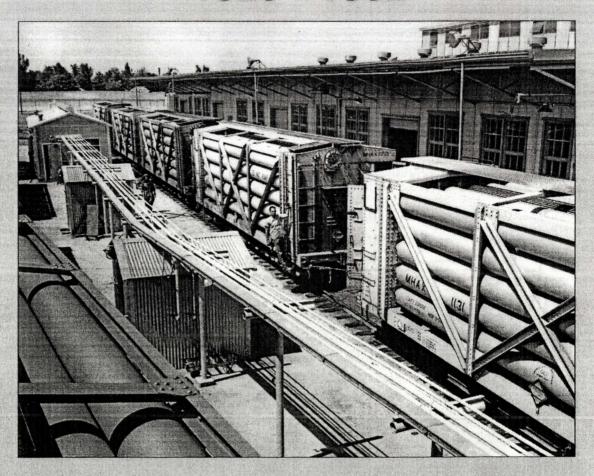
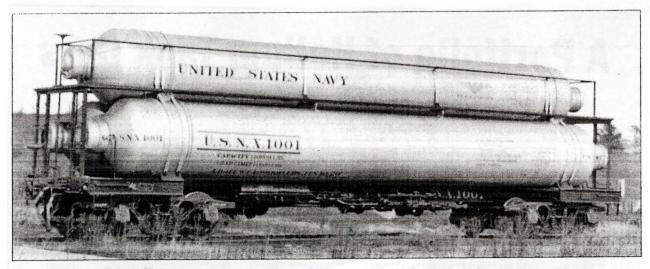
A Portfolio of Helium Tank Cars 1926 - 1962



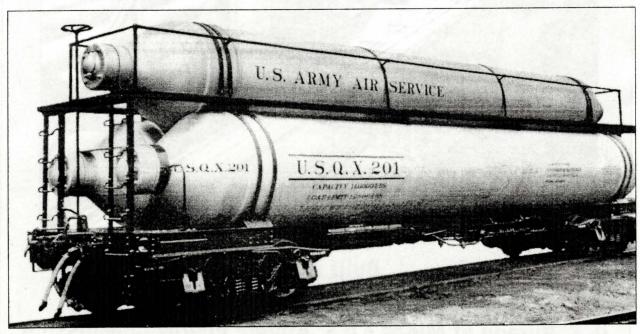
Built for the
U. S. Navy • U. S. Army Air Service
U. S. Bureau of Mines • U.S. Atomic Energy Commission

Manufactured By
Bethlehem Steel Company
General American Transportation Company
American Car and Foundry • Magor Car Corporation • Darby Corporation

Compiled by Jay H. Miller June 2007



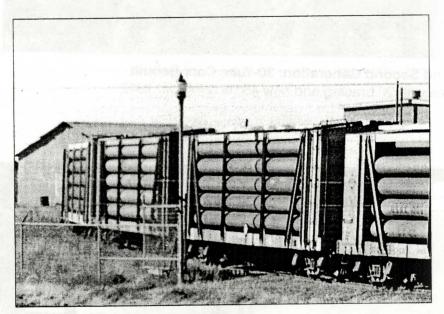
First Helium Car 3-Tubes
Built by Bethlehem Steel Company; October 1926
1001



First Army Helium Car 3-Tubes
Built by Bethlehem Steel Company; 1927
201 and 202



First Generation: 28-Tube CarBuilt by GATC; September-October 1930 1002-1006



Second Generation: 30-Tube Car

Built by GATC; 1933

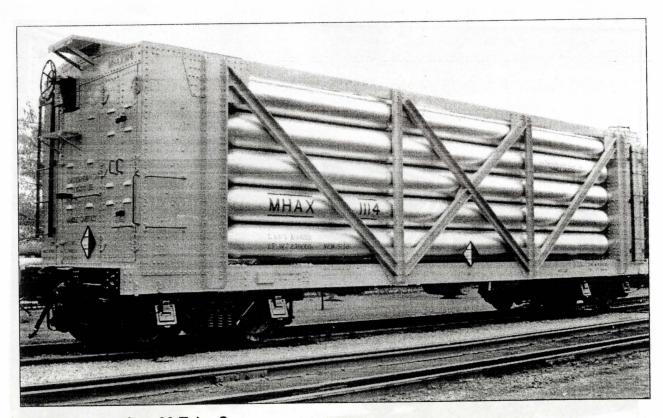
1007-1012



First Generation: 28-Tube and Second Generation: 30-Tube Cars Rebuilt Rebuilt by US Bureau of Mines with 'X' bracing and new 45° bracing ca. 1942. All lettered UNSX. 1002-1012



Third Generation: 30-Tube CarBuilt by GATC; November 1942 - August 1943
1013-1078



Fourth Generation: 30-Tube Car Built by ACF; August 1955 - Sept. 1959

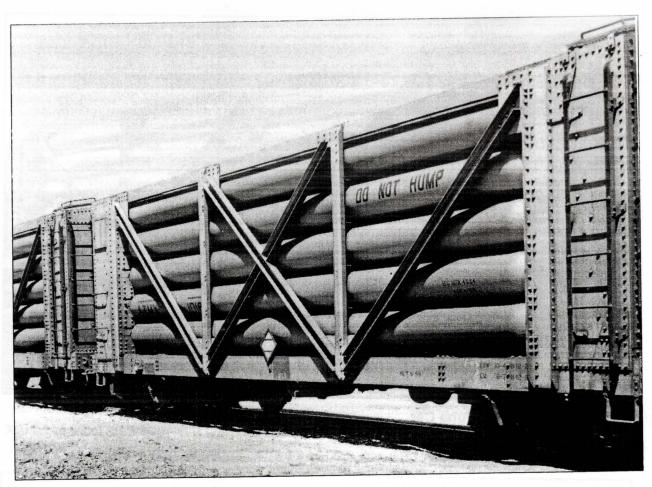
All cars lettered MHAX.

1079-1138 (Cars 1119 and later built with metal roof walks and roller bearing trucks.)



Fourth Generation: 30-Tube Car Built by ACF; February 1955 1001-1005

All cars lettered ATMX.



Fourth Generation: 30-Tube Car Built by ACF; February/June 1955 1013-1019

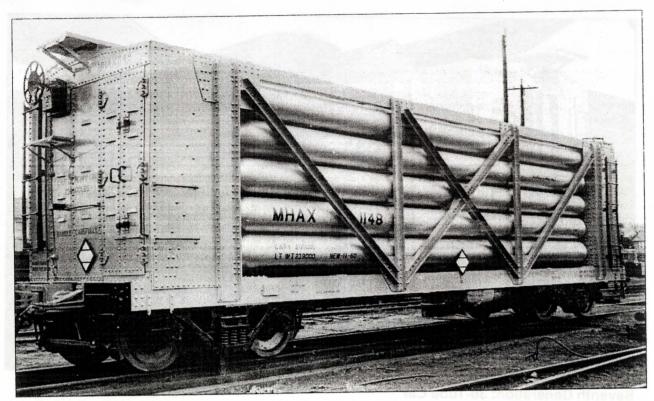
All lettered ATMX.



Four-and-One-Half Generation: 30-Tube Car
Built by Darby Corporation; September 1958

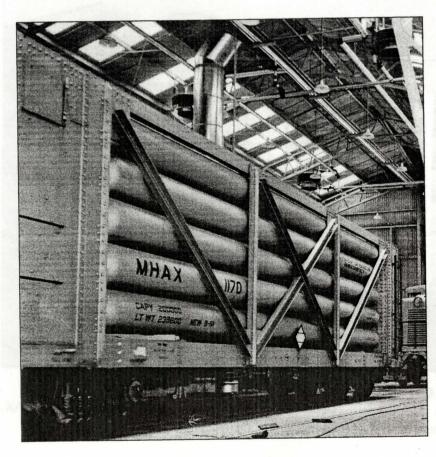
All lettered ATMX.

1020-1025 (Car 1242 is ex. ATMX 1021 shown at Amarillo Railroad Museum in 2001.)

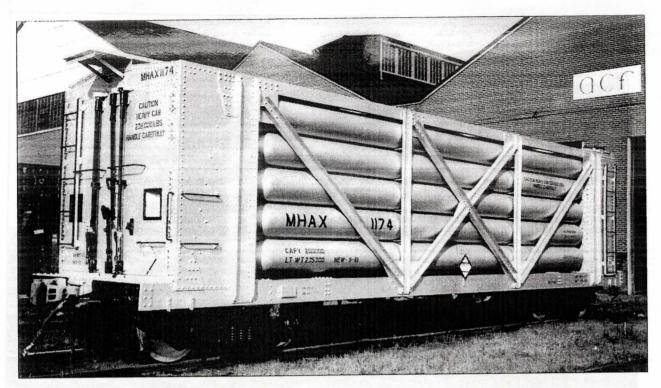


Fifth Generation: 30-Tube Car Built by ACF; September 1960 1139-1163

All lettered MHAX. All cars built with metal roof walks and roller bearing trucks.

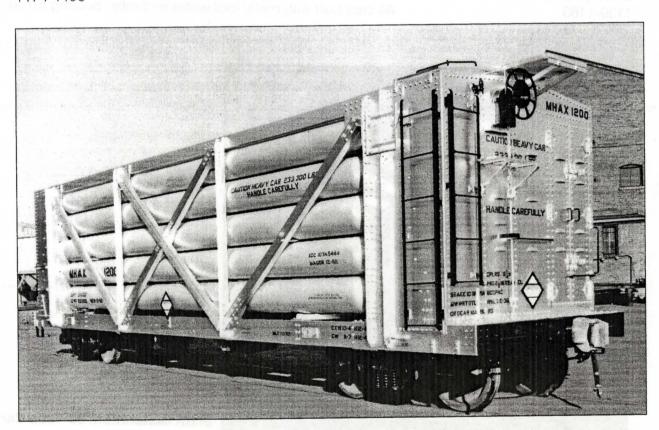


Sixth Generation: 30-Tube Car Built by Magor; June 1961 All lettered MHAX. 1164-1173



Seventh Generation: 30-Tube Car Built by ACF September 1961 1174-1196

All lettered MHAX.

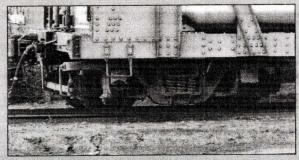


Eighth Generation: 30-Tube Car Built by Magor; May 1962

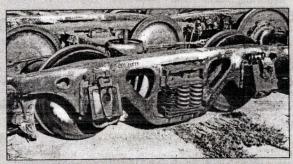
1197-1221 (Painted all aluminum and these were the last cars built)

All lettered MHAX.

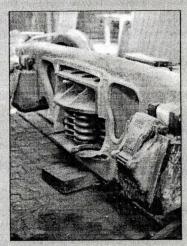
Helium Tank Car Trucks

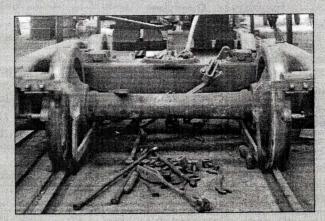


First Generation Solid Bearing Truck Clasp brake, bolted-journal solid bearing heavy-duty Andrews truck on brand new USNX 1004 at Amarillo in 1931.

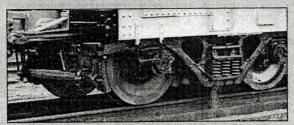


Third Generation Solid Bearing Truck Clasp brake solid bearing ASF truck of Barber stabilized design. Removed from cars at Exell, ca. 1960.

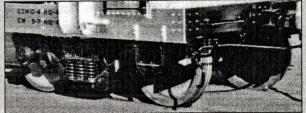




Second Generation Solid Bearing Truck
Clasp brake solid bearing truck with Dalman six spring package on USNX 1065 at GATC in 1943.



First Generation Roller Bearing Truck Clasp brake, roller bearing truck on MHAX 1160 in November 1960 at ACF. Used on cars 1139 -1196 when built.



Second Generation Roller Bearing Truck
Roller bearing truck without clasp brakes on
MHAX 1200 in December 1962 at Magor.
Used on cars 1197 - 1221 as built.

All trucks were heavy duty versions. The wheel sets have very thick rims and treads and large diameter axles. On solid bearing trucks, the journal boxes are much larger (6 1/2" x 12") in comparison with other freight car trucks.

Quick Roster of Helium Tank Cars									
Reporting Marks	Car Numbers	Builder	Date	Comments					
Early 3-Tube Cars									
USQX	101-102	Bethlehem	1926-1927	Built for US Army Air Service					
USNX	1001	Bethlehem	1926	Built for US Navy					
First Generation: 28-	Tube Cars								
USNX	1002-1006	GATC	1930	Rebuilt with 'X' brace, ca. 1940					
Second Generation:	30-Tube Cars								
USNX	1007-1012	GATC	1933	Rebuilt with 'X' brace, ca. 1940					
Third Generation: 30	0-Tube Cars								
USNX	1013-1078	GATC	1942-1943	Painted all Battleship Gray w/black U/F and hardware. Seven cars relettered for ATMX in 1955.					
Fourth Generation: 3	30-Tube Cars								
MHAX	1079-1138	ACF 1955-1959		First use of MHAX reporting marks in July 1955. Cars 1119 and later (1959 built) in this generation built with roller bearing trucks and metal roof walks. Painted gray with aluminum tanks.					
Fourth Generation: 3	30-Tube Cars								
ATMX	1001-1005	ACF	1955	First cars lettered ATMX. Ditto above.					
ATMX	1013-1019	ACF	1955						
ATMX	1020-1025	Darby Corp.	1958						
Fifth Generation: 30	-Tube Cars								
MHAX	1139-1163	ACF	1960	Roller bearing trucks, metal roof walks.					
Sixth Generation: 30	-Tube Cars								
MHAX	1164-1173	Magor	1961	Roller bearing trucks, metal roof walks.					
Seventh Generation:	30-Tube Cars								
MHAX	1174-1196	ACF	1961	Roller bearing trucks, metal roof walks.					
Eighth Generation: 3	0-Tube Cars								
MHAX	1197-1221	Magor	1962	Metal roof walks, roller bearing trucks without clasp brakes. All cars painted aluminum except trucks and H/V					

Total Cars Built: 241

When built, all cars equipped with solid bearing, clasp brake trucks except as noted. Changeover from USNX to MHAX/ATMX reporting marks occurred in June-July 1955.

Changeover from gray superstructure and aluminum painted tanks to all aluminum paint begun after 1962.

All cars in active fleet were relettered to MHAX after ca. 1964.

Extensive rebuilding began ca. 1970 with removal of roof walks, new trucks, etc.

All cars retired or disposed of by 1998.

A & B Set Number	Car 'A' Built Date	Builder	Original No. of 'B' Car	Car 'B' Built Date	Builder
1165	Jun-61	Magor	1164	Jun-61	Magor
1178	Sep-61	Magor	1169	Jun-61	Magor
1180	Sep-61	Magor	1179	Sep-61	Magor
1183	Sep-61	Magor	1175	Sep-61	ACF
1189	Sep-61	ACF	1182	Sep-61	ACF
1198	May-62	Magor	1170	Jun-61	Magor
1203	May-62	Magor	1166	Jun-61	Magor
1207	May-62	Magor	1193	Sep-61	ACF
1211	May-62	Magor	1187	Sep-61	ACF
1212	May-62	Magor	1197	May-62	Magor
1213	May-62	Magor	1206	May-62	Magor
1214	May-62	Magor	1210	May-62	Magor
1215	May-62	Magor	1199	May-62	Magor
1217	May-62	Magor	1194	Sep-61	ACF

