

## Reference list: Waste-to-Energy Plants 1931-2011

Version 2.6

Plant	Lines/ t/h waste	Rating steam t/h	Type of output	Type of grate		Pressure bar	Tempe- rature °C	Commis- sioning year
<b>ARGENTINA:</b> Buenos Aires *	4x10.5			R	AC			1975
<b>BELGIUM:</b> ICDI Charleroi	1x8	23,4	ST,EL	G	AC	40	380	2004
IVM Eeklo	2x7	18	ST,EL			38	400	2004
Houthalen	2x8		ST, EL	R	AC			1984
Eeklo	2x7			R	AC			1982
Virginal-Samme	1x5		HW, DH	W	AC			1981
Menen	2x4		HW, DH	W	AC			1981
Brasschaat	2x3			G	AC			1980
Heist-op-den Berg	2x3			G	AC			1977
Merksem	2x4			G	AC			1977
St. Niklaas	2x4		ST, DH, EL	G	AC			1977
Roeselare	2x4		ST, DH, EL	G	AC			1976
<b>CANADA:</b> Cochrane (pulp & paper)*	1x26		ST, EL	W	AC			1989
Malette (pulp & paper)*	1x41		ST, EK	W	AC			1989
<b>CHINA:</b> Lekeng II, Guangzhou	3x31,25	63	ST, EL	G	AC	40	400	2011
<b>DENMARK:</b> Kolding	1x10	26 MW	DH	W	WC	10	180	2007
Fasan	1x8	31	ST,DH, EL	W	AC	50	400	2006
Reno-Nord	1x24	80	ST, DH, EL	W	AC	50	425	2005
Hammel I	1x3.5	10,7MW	HW,DH	G	AC	6	110	2002
Esbjerg	1x24	97	ST,DH,EL	G	AC	43	400	2003
Hobro	1x3.9	11,9MW	HW, DH	G	AC	6	110	2001
Svendborg II	1x6	23,8	ST,DH,EL	G	AC	52	400	1999
Nykøbing F III	1x9	35	ST,DH,EL	G	AC	40	400	1999
AVV Hjørring	1x6	24	ST,DH,EL	W	AC	50	400	1998
Glostrup, Vestforbraending II	1x26	103	ST,DH,EL	G	AC	53	380	1998
Sønderborg	1x8	27.4	ST,DH,EL	W	AC	62	420	1996
Fynsværket	2x8	2x28.5	ST;DH,EL	W	WC	65	380	1996
Århus	2x8	2x24.7	ST,DH,EL	W	AC	66	430	1995
Naestved III	1x4.5	17,9	ST,DH,EL	G	AC	79	428	1994
Herning	1x5	26	ST,DH,EL	G	AC	84	522	1994

ST= Steam

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Aars	1x5	16.6	ST,DH,EL	W	AC	47	430	1994
Haderslev	2x4.5	2x13	ST,DH,EL	W	AC	67	430	1993
Kolding	1x9.5	31.3	ST,DH,EL	W	AC	47	420	1993
Frederikshavn	1x5	60	DH	G	AC	63	452	1993
Skanderborg	1x5	16.6	ST,DH,EL	W	AC	47	430	1992
Copenh. Amagerforbraending II	3x12	36,7	ST,DH,EL	R	AC	62	380	1991/92/93
Horsens	2x5	16,6	ST,DH,EL	G	AC	59	440	1992
Aarhus I	1x8	19,2	HW	G	AC	20	203	1992
Holstebro	2x9	32	ST,DH,EL	G	AC	67	522	1992
Thisted I	1x6.3	6,2	ST,DH,EL	G	AC	55	120	1991
Rønne, Bornholm	1x2.5		HW, DH	W	AC			1990
Slagelse	1x6.25	18	ST, DH, EL	W	AC	67	430	1990
Reno Nord	1x12.5	35	ST, DH, EL	W	AC	51	425	1990
Taastrup	2x2.5	6,15 MW	HW	G	AC	6	120	1990
Copenh. Amagerforbraending I	1x12	36,7	ST,DH,EL	R	AC	62	380	1990
Vejen	1x4.5	15,7	ST,DH,EL	G	AC	52	430	1990
Roskilde II	1x7		ST,HW,DH	R	AC			1989
Nyborg, Kommunekemi	1x7		ST, DH	R	AC			1989
Hjoerring II	2x3		ST,HW,DH	G	AC			1987
Hoersholm I	1x3		ST,HW,DH	G	AC			1987
Svendborg I *	1x3.5		ST,HW,DH	G	AC			1986
Hammel	1x2.3		ST,HW,DH	G	AC			1986
Aars	1x3.5		HW, DH	W	AC			1985
Soenderborg I *	1x4		ST,HW,DH	G	AC			1985
Hadsund	2x1.25		ST,HW,DH	G	AC			1984
Skanderborg	1x4		HW, DH	W	AC			1984
Nykoebing F.	2x3.5		ST,HW,DH	G	AC			1983
Naestved	2x4.5		ST,HW,DH	G	AC			1983
Kolding	2x4		HW, DH	W	AC			1982
Hobro	1x3		HW, DH	W	AC			1981
Slagelse	1x4		HW, DH	W	AC			1981
Aalborg I	2x8		ST,HW,DH	R	AC			1981
Roskilde I	1x7		ST,HW,DH	R	WC			1981
Videbaek *	1x2		ST,HW,DH	G	AC			1981
Grenaa	1x2.5		ST,HW,DH	G	AC			1981
Horsens *	1x5		HW, DH	W	AC			1979
Svendborg *	1x4		ST,HW,DH	G	AC			1978
Thisted *	1x3		ST,HW,DH	G	AC			1978
Skagen	1x2		HW, DH	W	AC			1978
Brøndby *	1x4		HW, DH	W	AC			1978
Solrød *	1x2		HW, DH	W	AC			1978
Aarhus Nord *	2x7.6		HW, DH	W	AC			1977
Glostrup, Vestforbraending I	1x14		ST,HW,DH	R	AC			1977
Hjoerring I *	1x4		ST,HW,DH	G	AC			1976
Nyborg *	1x4		HW, DH	W	AC			1976

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Holstebro *	1x4		HW, DH	W	AC			1975
Middelfart	1x2		HW, DH	W	AC			1975
Haderslev I *	1x4.5		ST,HW,DH	G	AC			1975
Albertslund *	1x4		HW, DH	W	AC			1974
Weston Tæppefabrik, Hørning*	1x1		ST	W	AC			1974
Soenderborg*	1x4		ST,HW,DH	G	AC			1973
Herning *	1x4		HW, DH	W	AC			1973
Horsens*	1x5		HW, DH	W	AC			1973
Hobro*	1x2			W	AC			1973
Korsør*	1x2		HW, DH	W	AC			1972
Aalborg*	1x7.5		ST,HW,DH	R	AC			1972
Kolding*	1x3		HW, DH	SR	AC			1972
Middelfart	1x2		HW, DH	W	AC			1972
Herning*	1x3		HW, DH	W	AC			1971
Frederikshavn*	1x4		HW, DH	W	AC			1971
Brøndby*	1x4		HW, DH	W	AC			1971
Slagelse*	1x3		HW, DH	W	AC			1971
Copenh., Amagerforbraending	3x12		ST,HW,DH	R	AC			1970
Glostrup, Vestforbraending	3x12		ST,HW,DH	R	AC			1970
Svendborg*	1x3.5		HW, DH	SR	AC			1970
Sønderborg*	1x3		HW, DH	SR	AC			1970
Nyborg*	1x3		HW, DH	SR	AC			1970
Holstebro*	1x3		HW, DH	W	AC			1970
Kolding*	1x3		HW, DH	SR	AC			1969
Hoersholm	2x3		ST,HW,DH	G	AC			1969
Albertslund*	1x3.5		HW, DH	SR	AC			1968
Struer*	1x2		HW, DH	SR	AC			1967
Høje-Tåstrup*	1x3		HW, DH	SR	AC			1967
Roskilde*	2x3		ST,HW,DH	G	WC			1966
Haderslev*	1x3		ST,HW,DH	G	AC			1966
Hjoerring*	1x2.5		ST,HW,DH	G	AC			1965
Frederikshavn*	1x3		HW, DH	SR	AC			1965
Dalum*	1x2		ST,HW,DH	G	AC			1964
Herning*	1x3		HW, DH	SR	AC			1962
Aarhus*	2x6.25		ST, DH	R	AC			1934
Frederiksberg*	2x6		ST, DH	R	AC			1934
Gentofte*	2x6		ST, DH	R	AC			1931
<b>FAROE ISLANDS:</b>								
Eysturoy	1x2.5		HW,DH	G	AC			1989
Torshavn	1x2.5		HW, DH	W	AC			1986
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				W	WC			
Voimala 2	16,5			W	WC			2012
Turku	2x4		HW,DH	G	AC			1995
<b>FRANCE:</b>								
Sarcelles	2x12t/h	24,3	ST	G	AC	45	380	2008/2010
Nevers	1x6	19,4	ST,EL	G	AC	40	350	2002
Lannion	1x7	18,9	ST,EL, DH	G	AC	39	350	1997
Orleans	2x7	2x17,3	ST,EL	G	AC	39	360	1995
Chedde Passy	1x7.5	18,8	ST,EL	G	AC	39	350	1995
Bruay	1x10	26	ST,DH,EL	R	AC	30	300	1995
Bourgoin I	1x6	15,5	ST,EL,DH	G	AC	19	240	1995
Quimper	2x4	2x9,9	ST,EL	G	AC	39	350	1995
Carhaix	1x4	9,7	ST,EL	G	AC	28	340	1994
Saren (Sarcelles) I	1x10		ST,DH	G	AC			1993
Limoges I	1x5	12,4	ST	G	AC	26	280	1992
Saren (Sarcelles)	1x10		ST,DH	G	AC			1992
Cluses I	1x5		ST,EL	G	AC			1991
Pontarlier	1x5		HW,DH	G	AC			1989
Hauguenau-Saverne	2x5		ST,DH	G	AC			1989
Carrières-sur-Seine	1x10		ST,DH,EL	G	AC			1988
Limoges	2x5		ST,DH,EL	G	AC			1988
Sens	1x3		ST	G	AC			1988
Thonon-Evian	1x5		ST,DH	G	AC			1988
Bayet (Sud-Allier) I	1x5		ST,DH	G	AC			1988
Bourgoin	1x5		ST,DH	G	AC			1986
Chatillon Sur Seine *	1x2		ST	W	AC			1985
Royan *	2x2.5			W	AC			1985
Poitiers	2x4		HW, DH	W	AC			1984
Villefranche-sur-Saône *	1x4.5		ST	G	AC			1984
Rambervillers Epinal	2x4		ST, EL	W	AC			1983
Lamotte Beuvron *	1x2.5			W	AC			1983
Is-Sur-Tille *	1x1.5		ST	W	AC			1982
Cluses *	1x3.9			G	AC			1982
Bayet (Sud-Allier)	1x3.9		ST	G	AC			1982
Noyant/Baugé	1x1.5			G	AC			1981
Montbard *	1x1.5			W	AC			1980
Alès *	1x3.2			G	AC			1980
St. Marcellin *	1x2.5			G	AC			1979
Ile D'Oleron *	1x2.5			W	AC			1979
Ile D'Oleron *	1x2.5			W	AC			1976
Forbach *	2x4			G	AC			1975
Lyon I *	1x10		ST,DH,EL	R	AC			1973
Lyon *	3x10		ST,DH,EL	R	AC			1963
St. Ouen, Paris *	4x8.5		HW,DH	R	AC			1953

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<b>GERMANY:</b> Bonn*	1x5.5		ST,DH	R	AC			1967
Wesseling*	1x4			R	AC			1963
<b>GREENLAND:</b> Nuuk	1x1.6		HW, DH	W	AC			1988
<b>HOLLAND:</b> Roosendaal*	2x4		HW, DH	W	AC			1975
<b>HONG KONG:</b> Kwai Chung	4x12.5		ST,HW,EL	R	AC			1979
Kennedy Town I	1x10.5		ST	R	AC			1975
Lai Chi Kok, "B" Kowloon	4x10.5		ST	R	AC			1974
Lai Chi Kok, "A" Kowloon	4x10.5		ST	R	AC			1968
Kennedy Town	4x10.5		ST	R	AC			1967
<b>INDIA:</b> New Delhi	2x6.25		ST,EL	R	AC			1987
<b>IRELAND:</b> Meath	1x27	82,7	ST, EL	W	AC	43	400	2011
<b>ITALY:</b> Arezzo	1x6,25	11,9	ST	G	AC	46	355	1996
Milan *	2x10		ST,EL	R	AC			1967
<b>JAPAN:</b> Yokohama, Kanazawa	3x16.67	68.8	ST	G	AC	40	400	2001
Tokyo, Edogawa	2x12.5	52.1	ST,DH,EL	G	AC	28	300	1997
Kawasaki	3x12.5	49	ST,EL	G	AC	22	280	1995
Shizuoka	3x8.35	32	ST,EL	G	AC	19	280	1995
Ashiya	2x4.8	1.74 MW	HW	G	AC			1995
Miyagi – Tohbu	2x3.75	0.279 MW	HW	G	AC			1995
Tokai	2x3.33	1.63 MW	HW	G	AC			1995
Fukui – Sakai	3x3.1	6.44	ST	G	AC	14	Sat.	1995

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Yamato	3x6.25	24.9	ST,EL	G	AC	19.5	280	1994
Kawaguchi, Tozuka II	1x6.25	21	ST,EL	G	AC	19.5	280	1994
Kagoshima	2x6.25	19.7	ST	G	AC	19.5	275	1994
Tottori	2x5.625	5.51 MW	HW	G	AC			1992
Tokyo, Meguro	2x12.5	50.8	ST,EL	G	AC	26	300	1991
Maebashi, Rokkyo	3x5.625	19.7	ST,EL	G	AC	20	270	1991
Nangoku, Kohnan	2x3.33	0.465 MW	HW	G	AC			1991
Hiroshima, Asa Kita	2x4.2	11.7	ST,EL	G	AC	18	250	1990
Kawaguchi, Tozuka I	1x6.25	20.5	ST,EL	G	AC	19.5	269	1990
Funabashi	3x5.20		ST	G	AC			1989
Nagoya, Tomita	3x6.25		ST,EL	G	AC			1989
Kyoto	2x13.75	50.8	ST	R	AC	26	300	1986
Inzai	2x4.17	19.7	ST,EL	G	AC	20	270	1986
Sennan	2x3.96		ST	G	AC			1986
Sendai	3x8.35		ST,EL	R	AC			1985
Hiroshima – Higashi	1x6.25	11.7	ST	R	AC	18	250	1985
Fukuyama	2x6.25	20.5	ST	R	AC	19.5	269	1985
Ichiara	3x4.17		ST	R	AC			1984
Hiroshima	2x4.17		ST,HW,EL	R	AC			1983
Nishinomiya	2x5			G	AC			1983
Ikeda	3x2.5		ST	G	AC			1983
Tokyo, Sugunami	3x12.5		ST	R	AC			1982
Matsuyama	2x6.25		ST	R	AC			1982
Miyakonojo	2x4.17		HW	G	AC			1982
Fukuoka	2x12.5		ST,EL	R	AC			1981
Higashi – Murayama	3x3.125		HW	G	AC			1981
Hachinohe	2x6.25		ST	R	AC			1980
Kobayashi *	2x2.5			W	AC			1980
Osaka, Takatsuki	3x6.25		ST	R	AC			1980
Matsudo, Chiba	2x4.17		ST	R	AC			1980
Takaoka	3x3.75		ST	G	AC			1980
Kiryu I *	1x6.25		HW	R	AC			1980
Hachioji, Tate	2x6.25		ST	R	AC			1980
Nichinan *	2x3.8			W	AC			1979
Nishinomiya *	3x6.25		ST	R	AC			1979
Kumamoto *	2x6.25		ST	R	AC			1979
Tsu	2x5		HW	G	AC			1979
Niihama	3x3.12		HW	G	AC			1978
Kadogawa *	2x2			W	AC			1978
Sasebo	2x5		ST	G	AC			1977
Kiryu *	1x6.25		HW	R	AC			1977
Kawaguchi, Tozuka	2x6.25		ST	R	AC			1976
Niigata *	3x5.42		ST	R	AC			1975
Yokohama, Kohnan	3x12.5		ST,EL	R	AC			1974
Tokyo, Itabashi *	4x12.5		ST,EL	R	AC			1974

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Hachioji, Tobuki *	2x5		ST	G	AC			1974
Tokyo, Kita *	2x12.5		HW	R	AC			1968
<b>KOREA:</b>								
Gyeongsan	1x4,2	17,9	ST	G	AC	31	300	2013
Ulsan	1x10,4	41,7	ST, EL	G	AC	47	400	2012
Chuncheon	1x7,1	37,6	ST, EL	G	WC	30	300	2011
MAPO	3x10,5	39	ST	R/G	AC	18	207	2005
Miryang	1x2	6,8	ST	G	AC	10	183	2003
Cheon-an	1x8.3		ST, DH, EL	W	AC			2001
Changwon I	1x8.3	26	ST,EL	G	AC	20,6	240	2000
Ulsan	2x8.3	29,2	ST,EL	G	AC	16,7	203	2000
Changwon	1x8.3	26	ST,EL	G	AC	20,6	240	1995
Pusan	1x8.3	26,7	ST,EL	G	AC	16,7	203	1995
<b>NORWAY:</b>								
Stavanger	1x9	28	ST, DH, EL	W	WC	42	403	2012
Hamar, Trehørningen	1x11	38	ST, DH, EL	W	WC	42	402	2011
Tafjord II	1x11	22 MW	ST, DH, EL	G	AC	40	400	2009
Tafjord	1x5		HW,DH	G	AC			1987
Hallingdal	1x3		HW,DH	G	AC			1985
Senja	1x1		HW, DH	SR	AC			1982
<b>POLAND:</b>								
Warsaw	1x8		ST, DH, EL	W	AC			1996
<b>RUSSIA:</b>								
Moscow	4x12.5		ST,DH	R	AC			1983
Moscow hospital	1x1		HW	W	AC			1974
<b>SHETLAND ISLANDS:</b>								
Shetland Islands	1x3.5		HW, DH	W	AC		120	1999
<b>SPAIN:</b>								
Montcada	1x4.1		ST,EL	G	AC			1984
Palma de Mallorca	1x8.25		ST,EL	R	AC			1979

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<b>SWEDEN:</b>								
Lidköping	1x9			W	AC			2013
Landskrona	1x11			HVB	WC			2012
Helsingborg	1x27	88	ST, DH, EL	W	WC	50	425	2013
Fiskeby Board	1x12	54	ST, EL	HVB	WC	65	430	2009
Strängnäs	1x18	36,7 MW	ST, EL	HVB	WC	72	480/420	2008
Boden	1x11	22 MW	St, DH, EL	G	AC	40	400	2008
Garp/Linköping	2x12	47.9	ST, DH, EL	G	WC	17.5	206	2007
Sundsvall	1x25	52 MW	ST	W	WC	40	400	2006
Eksjö	1x9	18 MW	ST, DH	G	WC	16	217	2005
Skövde	1x9	18 MW	ST, DH	G	WC	16	217	2005
Finspång	1x4.4	10 MW	HW, DH	G	AC	16	150	2004
Linköping	1x24	97	ST,DH,EL	G	WC	43	400	2004
Högdalen	1x34	117	ST,DH,EL	G	WC	36	400	2004
Hässleholm	1x8	18 MW	HW,DH	G	WC	16	217	2003
Avesta	1x9	12,5 MW	HW,DH	G	WC	16	217	2002
Ljungby	1x8	28	ST,DH,EL	G	AC	21	217	2001
Kinna Marks Värme	1x4	10 MW	ST,DH		AC	32	220	1999
Kalix (wood chips)	1x4.3	10 MW	HW,DH	G	AC	16	400	1997
Boden (wood refuse)	1x7.8	25 MW	HW,DH	G	AC	16	400	1995
Kiruna (peat-wood)	1x13	50 MW	ST,DH,EL	G	AC	80	400	1992
Kiruna	2x2.1		HW	G	AC			1985
Mora	1x3		HW, DH	W	AC			1981
Avesta	2x3		HW, DH	W	AC			1980
Sundsvall (bark)	2x17.5		ST,EL	G	AC			1976
Trollhättan*	1x3.3		HW, DH	W	AC			1974
Gävle*	1x1		HW	W	AC			1973
Borås I*	1x4		ST,DH,EL	G	AC			1972
Kungshamn*	1x2			W	AC			1971
Uppsala	1x1.5		ST, DH	W	AC			1971
Skovde	1x1		HW	W	AC			1971
Huddinge*	1x4		HW,DH	SR	AC			1971
Luleå*	2x5		HW,DH	G	AC			1969
Fagersta*	2x2			W	AC			1968
Solna*	3x4		HW, DH	SR	AC			1966
Stockholm, Lövsta II*	1x15			R	AC			1965
Borås *	2x3.6		ST,DH	G	AC			1965
Uppsala I	1x3.5		HW,DH	G	AC			1964
Bredäng*	1x3		HW, DH	SR	AC			1964
Ovansjö*	1x1			SR	AC			1962
Uppsala	2x3		HW,DH	G	AC			1961
Linköping*	2x2.5		ST,DH	G	AC			1958
Stockholm, Lövsta I*	1x10			R	AC			1954
Sundbyberg*	2x2.5		HW,DH	G	AC			1954
Stockholm, Lövsta*	3x7.5			R	AC			1937

ST= Steam

HW= Hot Water

DH= District Heating

EL= Electricity

G = VS grate

R = VS grate with rotary kiln

W/SR= DynaGrate®/BS grate

HVB= Vibrating grate

WC= water-cooled

AC= air-cooled

I, II, III = 1., 2., 3. extension

\*= no longer in operation

## Reference list: Waste-to-Energy Plants 1931-2011

Version 2.6

Plant	Lines/ t/h waste	Rating steam t/h	Type of output	Type of grate		Pressure bar	Tempe- rature °C	Commis- sioning year
<b>SWITZERLAND:</b> Basel*	2x10		HW,DH	R	AC			1942
<b>TAIWAN:</b> Pali	3x19	57	ST,EL	G	AC	40	57	1998
Tainan	2x19	42	ST,EL	G	AC	40	400	1997
Hsinchu	2x19	57	ST,EL	G	AC	40	400	1997
Chiayi	2x6.25	12	ST,EL	G	AC	25	260	1996
Taichung	3x12.5	25	ST,EL	R	AC	39	400	1995
<b>THAILAND:</b> Samui	2x2.92			G	AC			1998
Bangkok	3x8.25			G	AC			1974
Thonbury	1x5			G	AC			1974
<b>TURKEY:</b> Istanbul	1x1		ST,EL	R/G	WC	17	290	1994
<b>UNITED KINGDOM:</b> Slough Heat & Power	1x13	73	ST,EL	G	AC	47	442	2002
Cleveland	2x14	43,4	ST,DH,EL	G	AC	45	400	1997
Havant & Waterloo*	1x14			G	AC			1974
Otley/Ilkley*	1x3.25		HW, DH	W	AC			1973
Upton Upon Severn *	2x2			W	AC			1972
Mansfield *	1x5.5		HW, DH	W	AC			1972
Dudley*	2x6.25			R	AC			1969
Dagenham I*	1x4			G	AC			1963
Croydon*	2x6		ST	R	AC			1939
Dagenham*	3x10		ST	R	AC			1936
Huddersfield*	2x7.5		ST	R	AC			1934
<b>U.S.A.:</b> New Hanover	1x9.41	30	ST,EL	G	AC	32	360	1991
Mecklenburg	2x4.44		ST,EL	G	AC			1989
Tampa I	4x9.45		ST	R	AC			1985
Lassen College, California*	1x3.6		ST, EL, DH	W	AC			1984
Framingham	2x10.5			R	AC			1974
Delaware	1x12.5			R	AC			1973

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Version 2.6

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Atlanta II	1x10.5			R	AC			1973
Montgomery (south), Dayton *	3x12.5			R	AC			1970
Montgomery (north), Dayton *	3x12.5			R	AC			1969
Tampa *	3x10.5			R	AC			1967
Louisville I *	1x10.5			R	AC			1965
Atlanta I *	2x10.5			R	AC			1963
De Kalb County *	2x12.5			R	AC			1963
Miami *	1x12.5			R	AC			1960
Stickney *	2x10.5		ST	R	AC			1959
Louisville *	3x10.5			R	AC			1957
Atlanta *	4x6.5		ST	R	AC			1943

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