



HOLTEC
INTERNATIONAL

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BY OVERNIGHT MAIL

October 24, 2002

U.S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Washington, DC 20555-0001

Subject: USNRC Docket No. 71-9261, TAC L23474
HI-STAR 100 Certificate of Compliance 9261
HI-STAR License Amendment Request 9261-2, Supplement 1

References: 1. Holtec Project 5014
2. Holtec Letter, B. Gutherman, to USNRC Document Control Desk, "HI-STAR LAR 9261-2", dated May 31, 2002.

Dear Sir:

Pursuant to my conversation with our SFPO project manager, enclosed please find the following replacement licensing drawings to be inserted in Attachment 4 of the proprietary and non-proprietary versions of the Reference 2 submittal.

- 3913, Revision 1 - "HI-STAR 100 Overpack" (8 Sheets)
- 3923, Revision 3 - "MPC Enclosure Vessel" (4 Sheets)
- 3925, Revision 1 - "MPC-24E/EF Fuel Basket Assembly" (3 Sheets)
- 3926, Revision 2 - "MPC-24 Fuel Basket" (3 Sheets)
- 3927, Revision 2 - "MPC-32 Fuel Basket Assembly" (3 Sheets)
- 3928, Revision 1 - "MPC-68/68F/68FF Fuel Basket Assembly" (3 Sheets)

These drawings replace previous revisions of the drawings of the same number in the LAR package. Drawings C1765 (7 Sheets) and 3930 (2 Sheets) remain valid and should not be removed. The above-listed drawings were revised based on interactions with the SFPO staff regarding the content of licensing drawings during the Trojan license amendment review. Specifically, tolerances and weld sizes have been added to the drawings. These revised drawings have been replaced in the compact disc version of this LAR and new proprietary CDs are enclosed to replace the seven originally submitted with the LAR package. Lastly, please note the following

- Proposed Change Number 33.c in Attachment 1 of the LAR package (Summary of Proposed Changes) describes why tolerances are not on the licensing drawings. This information may be ignored since the replacement drawings now include tolerances with an appropriate note on Sheet 1 of each drawing explaining the nature of the licensing drawing tolerances.
- The drawings listed in the proposed changes to CoC Section 5.a.(3) will need to be updated to reflect the latest revisions of these drawings. These corrections will be made with the RAI response early in 2003.

WMS01



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Document ID 5014471
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Thank you for the opportunity to provide updated drawings to help facilitate the SFPO's review of our amendment request. If you have any questions or require additional information, please contact the undersigned.

Sincerely,

Brian Gutherman, P.E.
Licensing Manager

Enclosure: As Stated

Document ID: 5014471

Distribution: Ms. Julia Barto, USNRC (6 sets of drawings and 7 proprietary compact discs)
NRC Document Control Desk (one set of drawings)

emcc: HUG Licensing Committee (cover letter only)
Holtec NRC Correspondence Distribution (cover letter only)

FIGURE WITHHELD AS SENSITIVE UNCLASSIFIED INFORMATION


<div>TOLERANCES</div> <div><div>INCHES (MILLIMETERS)</div><div>XX ± .1 (2.54)</div><div>XXX ± .02 (.50)</div><div>FRACTIONAL</div><div>0 TO LESS THAN 2 IN. ±1/8 IN.</div><div>2 IN. TO LESS THAN 3 FT. ±1/4 IN.</div><div>3 FT. AND GREATER ±3/8 IN.</div></div> <div>ANGULAR</div> <div>±2°</div>	<div><div>HOLTEC INTERNATIONAL</div><div>HOLTEC CENTER 555 LINCOLN DRIVE WEST MARLTON NJ 08053</div></div>	CLIENT					
		GENERAL					
		DESCRIPTION					
		HI-STAR 100 OVERPACK					
PROJECT NO.	1020	DRAWING NO.	3913	SHEET	1	TOTAL SHEETS	8
P.O. NO.	N/A	FILE PATH: G:\DRAWINGS\1020\3913\					

FIGURE WITHHELD AS SENSITIVE UNCLASSIFIED INFORMATION



TOLERANCES				CLIENT	
INCHES (MILLIMETERS)		ANGLES		GENERAL	
X.XX ± .01		± .01		DESCRIPTION HI-STAR 100 OVERPACK ELEVATION VIEW	
X.XX ± .01		± .01			
X.XX ± .01		± .01			
FRACTIONAL		FRACTIONAL			
0 TO LESS THAN 2 IN.		± 1/8 IN.			
2 IN. TO LESS THAN 3 FT.		± 1/4 IN.			
3 FT. AND GREATER		± 3/8 IN.			
PROJECT NO.		COMPANION DRAWINGS		SCALE	
1020				NTS	
P.O. NO.				FILE PATH:	
N/A				c:\drawings\1020\3913\	
				SIZE	
				D	
				DRAWING NO.	
				3913	
				SHEET	
				2	
				REV	
				1	

FIGURE WITHHELD AS SENSITIVE UNCLASSIFIED
INFORMATION

TOLERANCES				CLIENT			
INCHES [MILLIMETERS]		ANGULAR		GENERAL			
X±.2 [0.0]		±°		DESCRIPTION HI-STAR 100 OVERPACK DETAIL OF TOP FLANGE AT 0° & 180°			
XXX±.1 [0.0]		±°					
XXX±.02 [0.0]		±°					
FRACTIONAL							
0 TO LESS THAN 2 IN.		±1/8 IN.					
2 IN. TO LESS THAN 3 FT.		±1/4 IN.					
3 FT. AND GREATER		±3/8 IN.					
PROJECT NO.		COMPAKON DRAWING		SIZE	DRAWING NO.	SHEET	REV.
1020				D	3913	3	1
P.O. NO.				SCALE NTS FILE PATH: G:\DRAWINGS\1020\3913\			
N/A							

A

FIGURE WITHHELD AS SENSITIVE UNCLASSIFIED INFORMATION

<div>TOLERANCES</div> <div><div><div>INCHES (MILLIMETERS)</div><div>±.002</div><div>(.05)</div></div><div><div>±.005</div><div>(.13)</div></div><div><div>±.010</div><div>(.25)</div></div><div><div>±.015</div><div>(.38)</div></div></div> <div><div>ANGULAR</div><div>±.01</div><div>(.25)</div></div>		<div><div><div><div></div><div></div><div></div><div></div><div></div><div></div></div><div>HOLTEC INTERNATIONAL</div><div>HOLTEC CENTER 555 LINCOLN DRIVE WEST MARLTON NJ 08053</div></div></div>		<div>CLIENT</div> <div>GENERAL</div>			
<div>PROJECT NO.</div> <div>1020</div>		<div>COMPANION DRAWINGS</div> <div></div>		<div>DESCRIPTION</div> <div>HI-STAR 100 OVERPACK CLOSURE PLATE BOLT HOLE & BOLT</div>			
<div>P.D. NO.</div> <div>N/A</div>		<div>SIZE</div> <div>D</div>		<div>DRAWING NO.</div> <div>3913</div>	<div>SHEET</div> <div>4</div>		
		<div>SCALE</div> <div>NTS</div>		<div>FILE PATH</div> <div>G:\DRAWINGS\1020\3913</div>	<div>REV</div> <div>1</div>		

FIGURE WITHHELD AS SENSITIVE UNCLASSIFIED INFORMATION

<div>TOLERANCES</div> <div><div>DECIMAL (HUNDRETHS)</div><div>XXX.X</div><div>XXX.XX</div></div> <div><div>ANGULAR</div><div>±2°</div></div>		<div><div><div><div></div><div></div><div></div><div></div><div></div></div><div>HOLTEC INTERNATIONAL</div><div>HOLTEC CENTER 555 LINCOLN DRIVE WEST MARLTON NJ 08053</div></div></div>	CLIENT GENERAL			
<div><div>FRACTIONAL</div><div>0 TO LESS THAN 2 IN 2 IN. TO LESS THAN 3 FT 3 FT AND GREATER</div><div>±1/8 IN. ±1/4 IN. ±3/8 IN.</div></div>			DESCRIPTION HI-STAR 100 OVERPACK TOP PLAN VIEW "D" - "D"			
PROJECT NO. 1020		COMPANION DRAWINGS	SIZE D	DRAWING NO. 3913	SHEET 5	REV 1
P.D. NO. N/A			SCALE NTS	FILE PATH G:\DRAWINGS\1020\3913\		

FIGURE WITHHELD AS SENSITIVE UNCLASSIFIED INFORMATION

<div>TOLERANCES</div> <div>INCHES [MILLIMETERS] ANGLES</div> <div>.125 .1 [3.0] 32°</div> <div>.0005 .02 [0.01] [30]</div> <div>FRACTIONAL</div> <div>0 TO LESS THAN 2 IN ±1/8 IN</div> <div>2 IN TO LESS THAN 3 FT ±1/4 IN</div> <div>3 FT AND GREATER ±3/8 IN</div>		<div><div><div></div><div></div><div></div><div></div><div></div><div></div></div><div>HOLTEC INTERNATIONAL</div><div>HOLTEC CENTER 555 LINCOLN DRIVE WEST MARLTON, NJ 08053</div></div>	<div>CLIENT</div> <div>GENERAL</div> <div>DESCRIPTION</div> <div>HI-STAR 100 OVERPACK MID-PLANE SECTION "E" - "E"</div>				
<div>PROJECT NO.</div> <div>1020</div>		<div>COMPANION DRAWINGS</div> <div></div>		<div>SIZE</div> <div>D</div>	<div>DRAWING NO.</div> <div>3913</div>	<div>SHEET</div> <div>6</div>	<div>REV</div> <div>1</div>
<div>P.O. NO.</div> <div>N/A</div>				<div>SCALE</div> <div>NTS</div> <div>FILE PATH</div> <div>g:\DRAWINGS\1020\3913\</div>			


FIGURE WITHHELD AS SENSITIVE UNCLASSIFIED INFORMATION

<div>TOLERANCES</div> <div><div><div>FINISH (DIMENSIONS)</div><div><div>X.X.X</div><div>[.0]</div></div><div>X.X.X.1</div><div>[.25]</div></div><div>X.X.X.XX</div><div>[.50]</div></div> <div>ANGULAR</div> <div><div>±2</div></div>	
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FIGURE WITHHELD AS SENSITIVE UNCLASSIFIED INFORMATION

<div>TOLERANCES</div> <div><div><div>INCHES (MILLIMETERS)</div><div><div><div><div><div><div>X&2</div><div>[.0]</div></div><div><div><div><div><div>X&2.1</div><div>[.04]</div></div><div><div><div><div><div>X&2.22</div><div>[.50]</div></div></div></div></div></div></div><div>FRACTIONAL</div><div><div><div><div><div>0 TO LESS THAN 2 IN.</div><div>2 IN. TO LESS THAN 3 FT.</div><div>3 FT. AND GREATER</div></div><div><div><div><div><div>1/8 IN.</div><div>1/4 IN.</div><div>3/8 IN.</div></div></div></div></div></div></div></div></div></div></div></div></div></div></div>		<div><div><div><div><div><div></div><div></div><div></div><div></div><div></div></div></div><div>HOLTEC INTERNATIONAL</div><div>HOLTEC CENTER 555 LINCOLN DRIVE WEST MARLTON, NJ 08053</div></div></div></div>		<div>CLIENT</div> <div>GENERAL</div>			
<div>PROJECT NO</div> <div>1020</div>		<div>COMPANION DRAWINGS</div> <div></div>		<div>DESCRIPTION</div> <div>HI-STAR 100 OVERPACK DETAIL "H"</div>			
<div>P.D. NO.</div> <div>N/A</div>		<div>SIZE</div> <div>D</div>		<div>DRAWING NO.</div> <div>3913</div>	<div>SHEET</div> <div>8</div>	<div>REV</div> <div>1</div>	
		<div>SCALE</div> <div>NTS</div>		<div>FILE PATH</div> <div>G:\DRAWINGS\1020\3913\</div>			

FIGURE WITHHELD AS SENSITIVE UNCLASSIFIED
INFORMATION

 HOLTEC INTERNATIONAL HOLTEC CENTER 555 LINCOLN CENTER MARLTON NJ 08053		CLIENT		GENERAL			
		DESCRIPTION		MPC-24E/EF FUEL BASKET ASSEMBLY			
		PROJECT NO	1022	DRAWING NO	3925	SHEET	1
P.O. NO		N/A		FILE PATH		G:\DRAWINGS\1022\3925	

A

FIGURE WITHHELD AS SENSITIVE UNCLASSIFIED INFORMATION


<div>TOLERANCES</div> <div><div>INCHES (MILLIMETERS)</div><div>X ± .2 (5.0)</div><div>XX ± .1 (2.54)</div><div>XXX ± .02 (.50)</div></div> <div><div>FRACTIONAL</div><div>0 TO LESS THAN 2 IN</div><div>2 IN. TO LESS THAN 3 FT</div><div>3 FT AND GREATER</div></div>		<div>ANGULAR</div> <div>±2</div>	<div></div> <div>HOLTEC</div> <div>INTERNATIONAL</div> <div>HOLTEC CENTER</div> <div>555 LINCOLN CENTER</div> <div>MARLTON, NJ 08053</div>	<div>CLIENT</div> <div>GENERAL</div>			
			<div>DESCRIPTION</div> <div>MPC-24E/EF</div> <div>FUEL BASKET</div> <div>LAYOUT AND WELD DETAILS</div>				
<div>PROJECT NO</div> <div>1022</div>		<div>COMPANION DRAWINGS</div> <div>-</div>	<div>SIZE</div> <div>D</div>	<div>DRAWING NO</div> <div>3925</div>	<div>SHEET</div> <div>3</div>	<div>REV</div> <div>1</div>	
<div>SCALE</div> <div>N/A</div>			<div>SCALE</div> <div>NONE</div>		<div>FILE PATH</div> <div>G:\DRAWINGS\1022\3925</div>		

FIGURE WITHHELD AS SENSITIVE UNCLASSIFIED INFORMATION


 HOLTEC INTERNATIONAL HOLTEC CENTER 555 LINCOLN CENTER MARLTON NJ 08053		CLIENT GENERAL		
		DESCRIPTION MPC ENCLOSURE VESSEL		
PROJECT NO 5014	DRAWING NO 3923	SHEET 1	TOTAL SHEETS 4	
P.O. NO N/A	FILE PATH G:\DRAWINGS\5014\3923			

FIGURE WITHHELD AS SENSITIVE UNCLASSIFIED INFORMATION

<div>TOLERANCES</div> <div><div>INCHES / MILLIMETERS</div><div>X ± .2 XX ± .1 XXX ± .02</div><div>5 0 2 54 50</div></div> <div><div>FRACTIONAL</div><div>0 TO LESS THAN 2 IN 2 IN TO LESS THAN 3 FT 3 FT AND GREATER</div><div>1/8 IN 3/4 IN 3/8 IN</div></div>		<div><div></div><div></div><div></div><div></div><div></div></div> <div><div>HOLTEC</div><div>INTERNATIONAL</div><div>HOLTEC CENTER 555 LINCOLN CENTER MARLTON NJ 08053</div></div>	<div>CLIENT</div> <div>GENERAL</div>			
		<div>DESCRIPTION</div> <div>MPC ENCLOSURE VESSEL</div>				
<div>PROJECT NO</div> <div>5014</div>		<div>COMPANION DRAWINGS</div>	<div>SIZE</div> <div>D</div>	<div>DRAWING NO</div> <div>3923</div>	<div>SHEET</div> <div>2</div>	<div>REV</div> <div>3</div>
<div>SCALE</div> <div>N/A</div>		<div>FILE PATH</div>		<div>© UNDA UNCLASSIFIED A 2022</div>		

FIGURE WITHHELD AS SENSITIVE UNCLASSIFIED INFORMATION



 HOLTEC INTERNATIONAL HOLTEC CENTER 555 LINCOLN CENTER MARLTON, NJ 08053	CLIENT			
	GENERAL			
	DESCRIPTION			
MPC  ENCLOSURE VESSEL ELEVATION DETAILS				
COMPANION DRAWINGS	SIZE	DRAWING NO	SHEET	REV
	D	3923	3	3
SCALE		FILE PATH		
NONE		G:\DRAWINGS\5014\3923		

FIGURE WITHHELD AS SENSITIVE UNCLASSIFIED INFORMATION



<div>TOLERANCES</div> <div>INCHES [MILLIMETERS]</div> <div>X ± .2 (5.0)</div> <div>XX ± .1 (2.54)</div> <div>XXX ± .02 (.50)</div> <div>FRACTIONAL</div> <div>0 TO LESS THAN 2 IN 1/16 IN</div> <div>2 IN TO LESS THAN 3 FT 1/4 IN</div> <div>3 FT AND GREATER 3/8 IN</div>		<div>ANGULAR</div> <div>.2</div>	<div></div> <div>HOLTEC INTERNATIONAL</div> <div>HOLTEC CENTER</div> <div>555 LINCOLN CENTER</div> <div>MARLTON NJ 08053</div>	<div>CLIENT</div> <div>GENERAL</div>				
				<div>DESCRIPTION</div> <div>MPC ENCLOSURE</div> <div>VESSEL LID</div> <div>DETAILS</div>				
<div>PROJECT NO</div> <div>5014</div>			<div>COMPANION DRAWINGS</div>		<div>SIZE</div> <div>D</div>	<div>DRAWING NO</div> <div>3923</div>	<div>SHEET</div> <div>4</div>	<div>REV</div> <div>3</div>
<div>N/A</div>					<div>SCALE</div> <div>NONE</div> <div>FILE PATH</div> <div>C:\DRAWING\5014\3923</div>			

FIGURE WITHHELD AS SENSITIVE UNCLASSIFIED INFORMATION

 HOLTEC INTERNATIONAL <small>HOLTEC CENTER 555 LINCOLN CENTER MARLTON NJ 08053</small>		CLIENT GENERAL		
		DESCRIPTION MPC-24 FUEL BASKET ASSEMBLY		
PROJECT NO 1022	DRAWING NO. 3926		SHEET 1	TOTAL SHEETS 3
P.O. NO N/A			FILE PATH G:\DRAWINGS\1022\3926	

2

1

A

FIGURE WITHHELD AS SENSITIVE UNCLASSIFIED INFORMATION



 HOLTEC INTERNATIONAL HOLTEC CENTER 555 LINCOLN CENTER MARLTON NJ 08053	CLIENT			
	GENERAL			
	DESCRIPTION			
	MPC-24 FUEL BASKET ARRANGEMENT			
COMPARISON DRAWINGS	SIZE	DRAWING NO	SHEET	REV
	D	3926	2	2
	SCALE	FILE PATH		
	NONE	G:\DRAWINGS\1022\3926		

FIGURE WITHHELD AS SENSITIVE UNCLASSIFIED INFORMATION

 HOLTEC INTERNATIONAL HOLTEC CENTER 555 LINCOLN CENTER MARLTON NJ 08053		CLIENT GENERAL	
COMPANION DRAWINGS		DESCRIPTION MPC-24 FUEL BASKET LAYOUT AND WELD DETAILS	
SIZE D	DRAWING NO 3926	SHEET 3	REV 2
SCALE NONE		FILE PATH G:\DRAWINGS\1022-3926	

1

FIGURE WITHHELD AS SENSITIVE UNCLASSIFIED INFORMATION


 HOLTEC INTERNATIONAL HOLTEC CENTER 555 LINCOLN CENTER MARLTON NJ 08053		CLIENT GENERAL			
		DESCRIPTION MPC-32 FUEL BASKET ASSEMBLY			
PROJECT NO	1023	DRAWING NO	3927	SHEET 1	TOTAL SHEETS 3
P D NO	N/A	FILE PATH G:\DRAWINGS\1023\3927			

FIGURE WITHHELD AS SENSITIVE UNCLASSIFIED INFORMATION



 HOLTEC INTERNATIONAL HOLTEC CENTER 555 LINCOLN CENTER MARLTON NJ 08053		CLIENT GENERAL			
		DESCRIPTION MPC-32 FUEL BASKET ARRANGEMENT			
COMPANION DRAWINGS		SIZE D	DRAWING NO 3927	SHEET 2	REV 2
		SCALE NONE	FILE PATH G:\DRAWINGS\1023\3927		

FIGURE WITHHELD AS SENSITIVE UNCLASSIFIED
INFORMATION

 HOLTEC INTERNATIONAL HOLTEC CENTER 555 LINCOLN CENTER MARLTON, NJ 08053		CLIENT GENERAL			
		DESCRIPTION MPC-32 FUEL BASKET LAYOUT AND WELD DETAILS			
COMPANION DRAWINGS		SIZE D	DRAWING NO 3927	SHEET 3	REV 2
		SCALE NONE	FILE PATH G:\DRAWINGS\1023\3927		

2

4

FIGURE WITHHELD AS SENSITIVE UNCLASSIFIED INFORMATION


 HOLTEC INTERNATIONAL HOLTEC CENTER 555 LINCOLN CENTER MARLTON NJ 08053		CLIENT GENERAL	
PROJECT NO 1021		DESCRIPTION MPC-68/68F/68FF FUEL BASKET	
P.O. NO N/A		DRAWING NO 3928	SHEET 1
		FILE PATH C:\DRAWINGS\1021\3928	TOTAL SHEETS 3

FIGURE WITHHELD AS SENSITIVE UNCLASSIFIED INFORMATION


 HOLTEC INTERNATIONAL HOLTEC CENTER 555 LINCOLN CENTER MARLTON NJ 08053	CLIENT			
	GENERAL			
	DESCRIPTION			
MPC-68/68F FUEL BASKET				
COMPANION DRAWINGS	SIZE	DRAWING NO	SHEET	REV
	D	3928	2	1
SCALE		FILE PATH		
NONE		G:\DRAWINGS\10211\3928		

FIGURE WITHHELD AS SENSITIVE UNCLASSIFIED INFORMATION

HOLTEC

INTERNATIONAL

HOLTEC CENTER

555 LINCOLN CENTER

MARLTON NJ 08053

COMPASSION DRAWINGS

CLIENT

GENERAL

DESCRIPTION

MPC-68/68F/68FF
FUEL BASKET
LAYOUT AND WELD DETAILS

SIZE

D

DRAWING NO

3928

SHEET

3

REV

1

SCALE

NONE

FILE PATH

G:\DRAWINGS\102\3928

2

1

A