




**Department of Energy**  
**National Nuclear Security Administration**  
 Washington, DC 20585

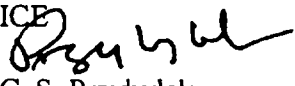
April 4, 2003

MEMORANDUM FOR

MANAGER, LIVERMORE SITE OFFICE  
 MANAGER, LOS ALAMOS SITE OFFICE  
 MANAGER, NEVADA SITE OFFICE  
 MANAGER, SANDIA SITE OFFICE  
 MANAGER, KANSAS CITY SITE OFFICE  
 MANAGER, PANTEX SITE OFFICE  
 MANAGER, SAVANNAH RIVER SITE OFFICE  
 MANAGER, Y-12 SITE OFFICE

FROM:

  
 Everet H. Beckner  
 Deputy Administrator  
 for Defense Programs

  
 C. S. Przybylek  
 Chief Operating Officer

SUBJECT:

Investigation of the Use of Improperly Heat-Treated Aluminum  
 Parts Supplied by Temperform USA

The purpose of this memorandum is to request that you investigate whether aluminum parts supplied by Temperform USA are in use in safety-related or mission-sensitive applications at your site. Improper heat-treating of aluminum parts by Temperform USA has resulted in decreased strength, reduced corrosion resistance, increased susceptibility to cracking, and reduced fatigue life of affected parts.

We are aware that considerable progress has already been made in resolving this issue through the efforts of your Quality Assurance Working Group member. However, it is not clear that the prior investigations were complete due to insufficient information available at the time. As such, you are requested to complete or verify that your investigation has been completed based on the lines of inquiry of Attachment 1.

Please provide a report documenting your investigation within 30 days of this memorandum. This will allow us to respond to the Defense Nuclear Facilities Safety Board's letter of February 14, 2003, on this issue in a timely manner.

Mr. Rabi Singh, Office of Operations and Construction Management (NA-124), will coordinate this effort for Defense Programs (NA-10). He may seek assistance from the National Nuclear Security Administration Service Center. Please assign a point of contact from your office to work with Mr. Singh in resolving this issue in a timely and efficient manner. Mr. Singh can be reached at (301) 903-5864.

2 Attachments



cc w/attachments:

D. Crandall, NA-11

D. Miotla, NA-117

M. Thompson, NA-117

D. Beck, NA-12

Col E. Schmidt, NA-121

M. Schoenbauer, NA-122

X. Ascanio, NA-124

M. Clausen, NA-125

T. D'Agostino, NA-13

K. Baker, NA-20

G. Rudy, NA-50

J. Mangeno, NA-3.6

R. Crowe, NA-3.6

T. Rotella, NA-53

A. Lane, NA-60

R. Hardwick, EH-2

M. Whitaker, S-3.1

## Temperform USA Lines of Inquiry

The investigation should address the following lines of inquiry to determine if your site has procured and/or used heat-treated aluminum materials/parts, components, or equipment supplied by Temperform USA or Temperform USA vendors.

- 1) Has site contractor(s) (including their subcontractors) procured or used materials/parts, components or equipment that may have been heat-treated, supplied, or tested by Temperform USA after May 1998?
- 2) Has site contractor(s) (including their subcontractors) procured or used materials/parts, components or equipment that may have been heat-treated, supplied, or tested by Temperform USA from vendors/suppliers identified on Attachment 2 after May 1998?
- 3) If materials/parts, components or equipment heat-treated, supplied or tested by Temperform or Temperform vendors were procured, were they identified as nonconforming and either removed or technically justified for use?
- 4) If you discover that site contractor(s) (or subcontractors) have or use material/parts, components, or equipment heat-treated, supplied, or tested by Temperform USA or Temperform USA vendors:
  - a) Determine whether these materials/parts, components or equipment are installed in any system performing a safety function (i.e., safety class or safety significant system), or if they are intended for use in a safety system but are still in inventory; or if installed or intended for use in mission-sensitive application. If you discover parts in safety systems, please perform an engineering evaluation to determine any reliability impact, if possible, remove these items from service immediately or during regular scheduled maintenance, and perform an engineering evaluation to qualify items that can be left in place, including technical justification for doing so.
  - b) Collect and track information on procurement and use of Temperform USA materials/parts, components or equipment for non-safety related systems or other mission-sensitive applications. Tracking the use of these potential nonconforming or suspect parts may be an issue because nonconforming parts can and have later ended up in safety and other applications.
- 5) Information collected should include the contractor/supplier/vendor by site, type of materials, and quantity. Other information, such as part number or model number and application/systems, may be useful information to share with other Department of Energy (DOE) sites.
- 6) Determine the cost associated with this investigation. The Office of the Inspector

General will attempt to recover the cost associated with the investigation. The cost should be broken into categories: total cost for man hours, total cost for disposition of material (i.e., replacement cost, scrap cost, etc.), total cost for travel (if any), and total cost for testing (if any). Backup documentation is not necessary to be submitted, but should be maintained by your respective sites in case the costs are changed later.

- 7) Identify training provided by the DOE and the contractor to ensure worker safety in the area of suspect counterfeit parts per DOE Order 440.1A, Worker Protection Management for DOE and Federal Contractor Employees.

Attachment 2

COMPANIES WHO HAD PARTS PROCESSED AT TEMPERFORM and/or WHO APPROVED TEMPERFORM AS A VENDOR						
4/20/02						
A & A Machine & Development Co., Inc.	18626 Gramercy Place	Gardena	CA	90247	USA	(310) 532-7706
A & R Products	4040 Del Rey Ave. # 68	Marina Del Rey	CA	90292	USA	(310) 522-0417
ABN Industrial Company	6946 Dale Street	Buena Park	CA	90621	USA	(714) 521-9211
ACD Inc.	2321 S Pullman St	Santa Ana	CA	92706	USA	(714) 261-7333
Ace Clearwater Enterprises	19815 Magellan Ct	Torrance	CA	90502	USA	(310) 538-2137
Ace Air Mfg., Inc.	1430 West 138th Street	Gardena	CA	90248	USA	(310) 523-7246
Ace Soft Tooling, Inc.	315 East 167th Street	Gardena	CA	90248	USA	(310) 324-3214
Ace Tube Bending	14 Journey	Aliso Viejo	CA	92656	USA	
Accu-Flow	588-B Birch Street	Lake Elsinore	CA	92530	USA	(909) 471-1167
Accurate Machining Co.	4820 N. Ronald Street	Hardwood Heights	IL	60638	USA	(708) 867-4374
ACM (Air Components Manufacturing) Co.	7807 Industry Ave	Pico Rivera	CA	90660	USA	(562) 948-3335
Acme Enterprises, Inc.	5740 Thornwood Dr.	Costa	CA	90117	USA	(605) 964-4757
Acro-Traco Corporation	5925 Dale Street	Buena Park	CA	90621	USA	(714) 522-6767
Advanced Aerodynamics & Structures	3205 Lakewood Blvd	Long Beach Airport	CA	90808	USA	(562) 936-8516
Advanced Metal Fab	3020 Lee-Hermansul Drive	Rancho Dominguez	CA	90221	USA	(310) 636-2200
Advanced Metalforming Technologies	5215 S. Boye Ave.	Los Angeles	CA	90058	USA	(323) 277-1070
Advanced Ground System Engineering Corporation	1265 N. Kraemer Blvd.	Anaheim	CA	92806	USA	(714) 632-0995
Advanced Precision Sheetmetal, Inc.	140 East 187th Street	Gardena	CA	90248	USA	(310) 524-6666
Advanced Tube Engineering, Inc.	18211 Enterprise Lane, Unit C	Huntington Beach	CA	92648	USA	(714) 847-7688
Aero Arc	2555 W. 237th St	Torrance	CA	90505	USA	(310) 534-8766
Aero Banding Co	43328 N. Division Street	Laconia	CA	93038-4844	USA	(981) 948-2363
Aero Metal	2150 N. Lark Drive	Fenton	MO	63026	USA	
Aero Metals Division of AISC, Inc. (Kennedy Space Center)	PO Box 8099, 7081 Changelist Ave.	Timnville	FL	32783-5069	USA	(407) 268-1100
Aero Sheet Metal	43328 N. Division Street	Laconia	CA	93033-4844	USA	(981) 948-6057
Aero Sheet Metal	11602 Dehoulge St	North Hollywood	CA	91606-6189	USA	
Aero Wheel and Brakes Service Corp.	6900 Acoc Street	Montebello	CA	90640	USA	(213) 727-6000
Aerotech, Inc.						
Advanta Pipe	2020 E. Slauson Ave.	Huntington Park	CA	90265	USA	
Advantage Engineering Corp.	1238 N. Knollswood Circle	Anaheim	CA	92801	USA	(714) 998-8313
Agula Maching	1879 West Commonwealth	Fylerton	CA	92833	USA	(714) 441-1481
AHF DUCOM	PO Box 2310	Gardena	CA	90247-2310	USA	(310) 380-6380
Albus		Paris			France	
Airport Forming (aka: Ron's Metal Spinning)	17293 Darwin Ave. #12	Hesperia	CA	92345	USA	(760) 986-1050
AL Industries, Inc.	1641 East Gertrude Street	Santa Ana	CA	92705	USA	(714) 650-8133
Al-New Steaming Co. (aka: Quality Heat Steaming & Fabricating)	10801 Lower Azusa Road	El Monte	CA	91731	USA	(800) 877-7775
All Power Manufacturing C	13141 Madate Street	Bartle Fe Springs	CA	90670-0140	USA	(662) 802-2840
All-Pro Precision Sheet Metal, Inc.	2980 East Imperial Hwy	Brea	CA	92621	USA	(714) 998-8170
Allied Signal		Torrance	CA			
Allied Signal		Phoenix	AZ			
Allen United	12075 East Clark Street	Bartle Fe Springs	CA	90670	USA	
Alliant Bikes	848 Rancheros Drive	San Marcos	CA	92069	USA	(760) 746-3545
Ametek National Controls Corp	1726 Western Drive	West Chicago	IL	60185	USA	(630) 231-8335
American Racing Custom Wheels	19200 South Reyes Ave	Rancho Dominguez	CA	90221	USA	(310) 836-7806
AMP Research	23831 Ridge Route	Laguna Hills	CA	92653	USA	(949) 481-5900
Anaplex	15447 Garfield Ave	Paramount	CA	90723	USA	
Applied Medical Resources	28081 Merit Circle Building 101	Laguna Hills	CA	92653	USA	(714) 562-6120
Arcle Precision, Inc	436 N. Fox Street	San Fernando	CA	91340	USA	(818) 381-5434
Argo Spring Mfg. Co., Inc.	13830 Shoemaker Ave.	Norwalk	CA	90640	USA	(562) 921-6741
Axizona Aircraft Service	3431 E. Hemisphere Loop	Tucson	AZ	85708	USA	(520) 808-0866
Azowhead Products	4411 Kalesia Ave	Los Alamitos	CA	90720	USA	(714) 828-7770
Avi Aerospace, Inc.	9812 Lurline Ave. #1	Chatsworth	CA	91311	USA	
Associated Machine Technology, Inc.	630 Mariner Street	Brea	CA	92621	USA	(714) 990-6178
Atlas Copco Rotolov	540 E. Rosecrans Ave	Gardena	CA	90248	USA	(310) 229-9183
Avencha Street Performance	18239 S. Figueroa St	Gardena	CA	90248	USA	(310) 532-4588
Ayres Corporation	PO Box 3090, One Rockwell Ave	Albany	NY	31708	USA	(612) 865-1440
Baile Pacific Light Metals, Corp	16300 Valley View Ave	La Mirada	CA	90638	USA	(310) 404-7474
Band-Tek, Inc.	6346 Industry Way	Westminster	CA	92683	USA	(714) 892-6306
Benjamin Metal Company	14000 S. Figueroa Street	Los Angeles	CA	90069	USA	(323) 321-1700
BF Goodrich Aerospace	650 Lagoon Drive	Chula Vista	CA	91910	USA	(619) 891-2249
BF Goodrich Aerospace	Bay Blvd at G Street, Bldg 79	Chula Vista	CA	91910	USA	(619) 891-2249
BJS Industries	2113 Border Ave	Torrance	CA	90501	USA	(310) 633-1081
Blackburn-Melton Manufacturing Co	7525 Wynlee	Houston	TX	77061	USA	(713) 644-2386
Boeing Aircraft and Missile Systems	PO Box 88742	St Louis	MO	63168-6742	USA	
Boeing Aircraft and Missile Systems	8900 Frost Ave, Bldg 246	Berkeley	MO	63134	USA	
Boeing Commercial Airplane Group		Wichita	KS			
Boeing Commercial Airplane Group	PO Box 3707	Seattle	WA	98124-2207	USA	(206) 682-6771
Boeing Commercial Airplane Group	Comed Avenue, Bldg 401, Log Cabin North Bldg 300	Renton	WA	98056	USA	
Boeing Douglas Products Division	PO Box 2731	Long Beach	CA	90801	USA	
Boeing Douglas Products Division	1412 B Herbongate Way	Torrance	CA	90502	USA	
Boeing Douglas Products Division	1718 North 2720 West McDevitt Douglas Way	Salt Lake City	UT	84116	USA	
Boeing Light Helicopter Division	5000 East McDowell Road	Mesa	AZ	85216	USA	(602) 891-2710
Boeing Space Systems	6301 Boise Ave	Huntington Beach	CA	92647	USA	
Boeing Space Systems	3222 Rancho Road	Huntington Beach	CA	92647	USA	
Branded Technology, Inc	14 Alamo Ridge Road	Cromwell	CT	06419	USA	(860) 636-1150
Braco Metals	16090 Northern Street	La Mirada	CA	90636	USA	(714) 736-4800
Braco Industries, Inc.	101 Evans Ave	Daryln	NV	89403	USA	(702) 246-0431
Cad-Metal Manufacturing & Machining	395 Verman Way	El Cajon	CA	92020	USA	(619) 596-6707
Cal Tax	16321 Vermont Ave	Paramount	CA	90721	USA	(562) 831-1616
Calcor Space Facility	12831 E. Philadelphia St	Whittier	CA	90601	USA	(310) 846-1681
California Av-Tech Corp	1873 Via Arde	Rancho Dominguez	CA	90220	USA	(310) 886-8800
California Furniture Components, Inc.	6780 Central Ave	Riverside	CA	92504-1420	USA	(909) 687-9255
California Metal Shaping	1704 Hooper Ave	Los Angeles	CA	90021	USA	(213) 749-6642
California Pipe & Banding	518 East 88th Place	Los Angeles	CA	90003	USA	
Cardiac Machine Products, Inc	17000 Keegan Ave	Carson	CA	90746	USA	(310) 884-3400
Center Tool & Machine Co	8960 Hermosa Circle	Buena Park	CA	90620	USA	(714) 758-0715

Centaline Wheel Corporation	13521 Freeway Drive	Santa Fe Springs	CA	90870	USA	(562) 921-8637
Centaline Tool Corporation	13521 Freeway Drive	Santa Fe Springs	CA	90670	USA	(562) 921-8637
Central Machine & Tool, Inc.	803 Paso Robles Street	Paso Robles	CA	93446	USA	(805) 239-1685
Central Tool Corporation	13521 Freeway Drive	Santa Fe Springs	CA	90670	USA	(662) 921-8637
Centric Machine	12280 Race Track Road	Tampa	FL	33621	USA	*
Century Parts, Inc.	913 West 22 <sup>nd</sup> Street	Torrance	CA	90502	USA	(310) 328-0281
Certified Aviation Service	3196-N Airport Loop	Costa Mesa	CA	92626	USA	(714) 662-2441
Certified Aviation Service (DBA Coastal Sciences Corporation)	1301 Skyway Drive	Bakersfield	CA	93308	USA	(805) 391-4888
Chemtronics						
Clary, LLC	1739 S. Clementine Street	Anaheim	CA	92802	USA	(714) 691-1950
C. M. Gordon Industries, Inc.	13750 Rosecrans Ave.	Santa Fe Springs	CA	90670	USA	(862) 463-7378
CNC Manufacturing	42158 Sarah Way	Temecula	CA	92590	USA	(909) 693-9088
Coast Aluminum & Architectural	687 Sandoval Way	Hayward	CA	94644	USA	(610) 441-8600
Coast Aluminum & Architectural (Processing)	10430 Suster Drive	Santa Fe Springs	CA	90670	USA	*
Coast Metal Craft Inc.	16518 Susana Road	Rancho Dominguez	CA	90221	USA	(310) 537-0570
Conquest Industries	9915 Bell Ranch Drive	Santa Fe Springs	CA	90670	USA	(662) 908-1111
Consolidated Trading Co. (dba Olympic Aviation)	PO Box 2425, 612 E. Franklin Ave.	El Segundo	CA	90248	USA	(310) 640-2247
Continental Forge Co.	512 E. Carlin Street	Compton	CA	90272	USA	(213) 774-3220
Coultter Steel & Forge Co.	1494 87 <sup>th</sup> Street	Emeryville	CA	94608	USA	(610) 420-3500
Craftech Metal Forming	241000 E Water Street	Parre	CA	92670	USA	(909) 940-6444
Cramer Engineering Company	11110 Greenstone Ave	Santa Fe Springs	CA	90670	USA	(562) 903-5666
Cramer Engineering Company	11110 Greenstone Ave	Santa Fe Springs	CA	90670	USA	(662) 903-6656
Creative Pathways, Inc.	3121 Fujita Street	Torrance	CA	90505	USA	(310) 530-1965
Custom Metal Shapes	18209 1/2 Eucalyptus Ave	Bellflower	CA	90706	USA	*
Custom Metal Spinning	12157-C Blauson Ave	Santa Fe Springs	CA	90670	USA	*
Custom Services, Inc.	810 West Hyde Park Blvd	Inglewood	CA	90302	USA	(310) 670-7919
Cycle Science (dba SE Racing)	190 Boeslax Blvd	San Marcos	CA	92609	USA	(760) 598-4270
Cygnus Inc.	Emral Ind. Park, PO Box 456	San Marcos	CA	92609	USA	(760) 598-4270
Davison Aluminum & Metal Corp.	100 West Industry Court	Ponewey	ID	83862	USA	(208) 263-4761
Deflated Corporation	1520 Flower Ave.	Deer Park	NY	11720	USA	(816) 566-9000
Data Fabrication, Inc.	1520 Flower Ave.	Quarts	CA	81010	USA	(826) 303-0740
Designing Specialties III	9800 De Soto Ave	Chesworth	CA	91311	USA	(818) 407-4000
Designing Specialties III	307 N. Euclid Way, Bldg G-3	Anaheim	CA	92801	USA	(714) 778-4260
Diamond National Glass Co. (Div. Of Diamond Workable Ind.)	6800 De Ble Drive	Paramount	CA	90723	USA	(662) 634-2100
Dirtruster	848 Rancheros Drive	San Marcos	CA	92686	USA	(760) 746-3545
D.M. Precision	5862 Adams Blvd.	Culver City	CA	90230	USA	(213) 936-7886
Downey Centerless Grinding	12323 Bedford Blvd.	Downey	CA	90241	USA	*
Duplicate Parts Company	188 Pacific Street	San Marcos	CA	92089	USA	*
Dura Plastic Products, Inc.	PO Box 2097, 633 East 3 <sup>rd</sup> Street	Beaumont	CA	92223	USA	(909) 845-3161
Dynamic Enterprises, Inc.	10016 Greenleaf Ave	Santa Fe Springs	CA	90670	JSA	(662) 944-0721
ECI Water SU Products, Inc.	2080 Chicago Ave., Suite C-8	Riverside	CA	92507	USA	*
Empire Screw Manufacturing Co.	747 N. Yale	Ville Park	IL	60181	USA	(630) 833-7060
Esterline FA Mfg. Company	PO Box 2500, 373 West Arden Ave	Glendale	CA	91209-2300	USA	(818) 240-1600
Esterline FA Mfg. Company	PO Box 0931, 29065 W. Franklin Parkway	Valencia	CA	91355	USA	(805) 776-1100
E.R.C. Company	2970 E. Maria St., Unit #6	Rancho Dominguez	CA	90221	USA	(310) 803-2970
Euro Engineering	23180 Del Lago Dr.	Laguna Hills	CA	92653	USA	(949) 770-0107
Evergreen Systems International	4740 Calle Custal	Camerton	CA	90636	USA	(805) 445-6492
Express Metal Aerospace, Inc.	2908 West Pendleton	Santa Ana	CA	90274	USA	*
EZTech Manufacturing	1200 Howard Drive	West Chicago	IL	60185	USA	(830) 293-0010
F.D. Countours	175 Paulinho Ave	Costa Mesa	CA	92626	USA	(714) 548-3330
Falchid Fasteners	800 Beta College	Fulerton	CA	92631	USA	*
Ferr Wheel Concepts, Inc.	736 North Georgia Ave	Abusa	CA	91702	USA	*
Foam Molders & Specialties	20004 State Road	Corrois	CA	90703	USA	(562) 924-7767
Firth Ribbon Viting	1 Erik Circle	Yorba	NV	89436	USA	*
Forged Metals Inc.	10885 Beach Ave	Fordata	CA	92337	USA	(909) 350-9260
Forrest Machining, Inc.	26544 Blanford Ave	Valencia	CA	91355	USA	*
Frontier Technologies	16408 S. Figueroa St.	Gardena	CA	90248	USA	(310) 767-1227
Full-Bore Race Products	424 W. Roland Ave.	Santa Ana	CA	92707	USA	(714) 436-0822
Furon Seals	3349 East La Palma	Anaheim	CA	92808	USA	(714) 636-5818
Furon Shared Service A/P	PO Box 198	Aurora	IL	44202	USA	*
Gary Plast Manufacturing	PO Box 368, 24198 Orange Ave, Dock #6	Peris	CA	92670	USA	(800) 969-0990
Gary's Tees	817 Ocean Front Walk	Venice	CA	90291	USA	(310) 392-3136
General Kinetics, Incorporated	110 Sundry Drive	Johanslow	PA	15905	USA	(814) 265-6991
General Vender Manufacturing Co.	PO Box 1807, 8632 Old St	South Gate	CA	90280	USA	(213) 664-2661
Gilmore Metal	PH 4, Box 98	Bishop	CA	93314	USA	(760) 873-4972
Giroux Glass, Inc.	850 West Washington Blvd	Los Angeles	CA	90016	USA	(213) 747-7408
Glen Sander Engineering	3153 Kashiwa St.	Torrance	CA	90605	USA	(310) 534-1210
Globe Tool & Manufacturing Co., Inc.	730 24 <sup>th</sup> Ave SE	Minneapolis	MN	55414	USA	(812) 331-6750
GST Industries, Inc.	3601 West Central Ave.	Santa Ana	CA	92704	USA	(714) 666-0444
Hammer Corporation (Hammer's Metal Spinning Co.)	820 State Street	Glendale	CA	91203	USA	(818) 240-0170
Hardell Associates, Ltd.	15503 Minnesota Ave.	Paramount	CA	60723	USA	(662) 531-1491
Harrison Mod.	1906 Cassiar Ridge Road	Ontario	CA	91718	USA	(909) 923-2787
Harco Systems International, Inc. (dba Harco Systems International, Inc.)	14800 Firestone Blvd	La Mirada	CA	90636	USA	*
Herrera Machining	5912 Clara Street	Bell Gardens	CA	90201	USA	(562) 928-0209
Ht Craft Metal Products	608 E. 184th Street	Gardena	CA	90248	USA	(213) 321-8663
Hi-Quality Alloys	12329 Telegraph Road	Santa Fe Springs	CA	90670	USA	(562) 941-3264
Hi-Tech Curving, Inc.	13211 Florence Ave	Santa Fe Springs	CA	90670	USA	(662) 941-6688
Hoover Glass, Inc.	1309 S. Eastern Ave	Los Angeles	CA	90022	USA	(213) 528-1390
Howe Welding & Fabrication	41218 Nick Lane	Murleta	CA	92562	USA	(909) 698-6907
Hydroform USA	2848 East 208th St	Long Beach	CA	90810	USA	(310) 622-0932
Hydrocapin, Inc.	5281 Research Blvd	Huntington Beach	CA	92649	USA	(714) 898-8041
Hy-Tech Spinning Inc.	115 W. Hyde Park Blvd	Inglewood	CA	90302	USA	(310) 673-4488
Ico Industries	1308 Marsha Place	Rancho Dominguez	CA	90220	USA	(310) 631-8635
Image Casting	6656 Perkins Road	Quincy	CA	93033	USA	(865) 866-1108
Intense Cycles	18273 Grand Ave.	Lake Elsinore	CA	92530	USA	(909) 676-4576
Independent Forge Co.	602 N. Balboa St	Orange	CA	92668	USA	(714) 967-7337
International Architectural Metal Works	577 E. Edna Place	Covina	CA	91723	USA	(626) 332-3800

J & M Metal Spinning	4345 Concordia Ave.	Lakewood	CA	90713	USA	
J & M Metal Spinning	1433 1/2 Daley Ave.	Long Beach	CA	90813	USA	
JC Carter						
J.Q. Welding & Fabrication	1420 S. Carmentis Road	Norwalk	CA	90650	USA	(310) 404-0060
Jasmine Tool & Mfg.	9358 Abraham Way	Santee	CA	92701	USA	(619) 448-1220
J.S. Borew Mfg. Co.	7840 Laurel Canyon Blvd.	North Hollywood	CA	91815	USA	(818) 283-1716
J.W. Lytle Co., Inc.	1885 Sampson	Corona	CA	91719	USA	(909) 371-5794
Earl M. Jorgensen Co. (aka Jorgensen Steel & Aluminum)	PO Box 446, 1429 West Lathrop St. J. Blvd.	Lynwood	CA	90267	USA	(213) 863-6564
K & E Manufacturing, Inc.	1866 Freeman Ave	Signal Hill	CA	90804	USA	(562) 494-7870
Kepco						
Ken Hill Racing Wheels	10627 Carrylyn Drive	Whittier	CA	90603	USA	(562) 943-6477
Kepner Plastic Fabricators, Inc.	3131 Lomita Blvd.	Torrance	CA	90503-5158	USA	(310) 225-3162
Kern Engineering & Mfg. Corp.	1146 East Ash Ave.	Fulerton	CA	92831	USA	(714) 802-9630
KM Pack Co.	285 East Thorpe Road	Lee Creek	NM	88005	USA	(505) 525-2120
KMC Wheel Co.	1456 Columbia Ave	Riverside	CA	92507	USA	(909) 784-8862
Kryler Corporation	1217 E. Ash Ave	Fulerton	CA	92831	USA	
Kuyper Machine Co., Inc.	16842 Hale Ave	Irvine	CA	92714	USA	(714) 863-0647
Lane & Rogardt, Inc.	12840 Allard Street	Santa Fe Springs	CA	90670	USA	(562) 886-3465
Latch Mfg. aka Benton Machine Works	6100 US 1 North	St. Augustine	FL	32086	USA	
Liage International Corp.	650 Via Alondra	Camarillo	CA	91310	USA	
Ling Electronics	4890 E. La Palma Ave	Anaheim	CA	92807	USA	(714) 779-1800
Lockheed Martin Aeroports, Inc.	221 Industrial Park Rd.	Johnstown	PA	15064-1981	USA	(814) 262-3000
Martin Engineering Co	200 W Beech Ave	Inglewood	CA	90302	USA	(310) 674-6000
Matico Forge Inc	16443 Minnesota Ave	Paramount	CA	90723	USA	(562) 634-8638
McSantilla Company	1531 W. 240th Street	Harbor City	CA	93710	USA	(310) 323-2063
Mechanical Metal Finishing Co.	15220 Broadway	Gardena	CA	90248	USA	(310) 321-1071
MetalCenter	12034 Greenstone Ave	Santa Fe Springs	CA	90670	USA	(562) 944-3322
Metal Forming Machines, Inc.	5216 S. Boyle Ave.	Los Angeles	CA	90058	USA	(323) 688-5000
MetalPro Industries, Inc.	28064 Ave. Stanford, Unit 4	Valencia	CA	91355	USA	
Metroline (A Division of Metro-Line Ind., Inc.)	291 Corporate Terrace	Corona	CA	91719	USA	(909) 371-2500
MFM Electrographic, Inc.	5215 S. Boyle Ave	Los Angeles	CA	90056	USA	(213) 660-6000
Molten Inc.	8821 Silva Street	Bell Gardens	CA	90201	USA	(562) 928-0668
Millennium Alloy Wheels	400 S. Lemon Street	Anaheim	CA	92805	USA	(714) 533-0715
Mustang Engineering Co.	12141 Riviera Road	Whittier	CA	90606	USA	(562) 896-0734
North Specialty Products (A Division of Stebe North, Inc.)	2654-B Saturn Street	Brea	CA	92821	USA	(714) 524-1655
North Safety Products (A Division of Stebe North, Inc.)	2654-B Saturn Street	Brea	CA	92821	USA	(714) 524-1655
Northrup Grumman Commercial		Hawthorne				
Northrup Grumman Commercial		Dallas				
Northrup Grumman Military		Melbourne				
Northrup Grumman Military Tanker Fighter Division		El Segundo				
Oak Alloy Wheels	400 S. Lemon Street	Anaheim	CA	92806	USA	(714) 533-0175
Olympic Aviation	PO Box 2426, 612 E. Franklin Ave	El Segundo	CA	90245	USA	(310) 640-2247
Olympic Aviation (dba Consolidated Trading Co.)	PO Box 2426, 612 E. Franklin Ave.	El Segundo	CA	90245	USA	(310) 640-2247
Orring Manufacturing, Inc.	1617 West 130th Street	Gardena	CA	90249	USA	(310) 632-6874
Optima Wheels, Inc.	18300 Valley View Ave	La Mirada	CA	90638	USA	(562) 404-7474
Orbital Aircraft Operation Base	1301 Skyway Drive	Bakersfield	CA	93308	USA	(805) 391-4886
Orbital Sciences Corporation	1301 Skyway Drive	Bakersfield	CA	93308	USA	(805) 391-4886
Orion Systems Corporation (aka Certified Aviation Services)	1301 Skyway Drive	Bakersfield	CA	93308	USA	(805) 391-4886
P & P Fabrication	16112 Lakewood Road	La Mirada	CA	90638	USA	
P.P. Manufacturing, Inc.	13130 Arctic Circle	Santa Fe Springs	CA	90670	USA	(562) 921-3640
Pacific Coast Alloy LLC	1818 E. Rosemary Ave.	Fulerton	CA	92831	USA	(714) 871-2400
Pacific Defense Products	817 S. Lakewood Ave., Suite G	Pico Rivera	CA	92870	USA	(714) 777-1636
Paramount Roll & Forming, Inc.	12120 E. Florence Ave	Santa Fe Springs	CA	90670	USA	(310) 944-4232
Paramount Spring Engineering Co., Inc.	13721 Bore Drive	Santa Fe Springs	CA	90670	USA	(562) 921-2766
Paragon Sports Products LLC	1264 South Lyon Street	Santa Ana	CA	92705	USA	(714) 635-6131
Performance Forged Products	7401 Telegraph Road	Montebello	CA	90640	USA	(213) 727-3460
Phyven Industries	1716 Kona Drive	Compton	CA	90220	USA	(310) 839-6331
Phillips	13859 Rosecrans Ave., Units B & C	Santa Fe Springs	CA	90670	USA	(310) 921-4112
Phillips Metal Spinning, Inc.	13859 Rosecrans Ave., Units B & C	Santa Fe Springs	CA	90670	USA	(310) 921-4112
Phillips Steel Co.	1388 W. Anaheim Street	Long Beach	CA	90813	USA	(562) 435-7671
Piso Tech Intl. Inc.	15791-N Rockfield	Irvine	CA	92718	USA	(714) 458-1880
Precision Machining Sheetmetal	2280 n. Forbes, Suite 101	Tucson	AZ	85746	USA	(520) 822-0060
Precision Resources, California Division	5803 Engineer Drive	Huntington Beach	CA	92648	USA	(714) 891-4430
Precision Tube Bending	13826 Talc St	Santa Fe Springs	CA	90670	USA	(310) 921-6723
ProLane Industries	154 S. Valencia Street	Gardena	CA	91741	USA	(818) 335-3836
Pro-Met, Inc.	1609 N. Kramer Blvd, Unit N	Anaheim	CA	92806	USA	(714) 630-2082
Process Fab, Inc.	15644 Clanton Circle	Santa Fe Springs	CA	90670	USA	(562) 921-1979
Pyrotek, Inc.	8740 Jordan Circle	Santa Fe Springs	CA	90670	USA	(562) 946-2402
Quick Draw & Machining, Inc.	4889 McGrath Street	Ventura	CA	93003	USA	(805) 844-7864
Racing Sports & Altimis Co., Inc.	3929 E. Guast Road, Unit A	Ontario	CA	91761	USA	(909) 805-0688
Rays Aircraft Service	1803 S. Newcomb	Pomerville	CA	93257	USA	(209) 784-0110
R & B Machine	5170 Brooks, Unit A	Monclair	CA	91783	USA	(909) 821-2193
RC Fluid Engineering, Inc.	1816 West 206th Street, Suite 203	Torrance	CA	90501	USA	(310) 762-6025
RD Fabricators, Inc.	540 North Echhoff	Orange	CA	92668	USA	(714) 834-2078
Regent Mfg., Inc.	11905 Regentview Ave.	Downey	CA	90241	USA	(562) 862-1174
Reliance Metal Center	5715 Jefferson Street, N.E.	Albuquerque	NM	81108	USA	(505) 345-0939
Red Metal Fabricators, Inc.	1221 E. Warner Ave	Santa Ana	CA	92708	USA	(714) 842-2104
Research Metal Industries	6080 S. Western Ave., PO Box 47830	Los Angeles	CA	90047-0830	USA	(213) 753-3771
Rhine Nacionalis, S.A.	Carretera Tecate-Ensenada KM 4	Tecate B.C.			Mexico	011 52 685
Robert International, Inc.	1450 Hill Street	El Cajon	CA	92020	USA	(619) 447-3630
Rotr, Inc. (Acquired by BF Goodrich)	850 Lagoon Drive	Christa Vista	CA	91912	USA	(619) 691-2749
Rotr, Inc. (Acquired by BF Goodrich)	Bay Blvd at G Street, Bldg 79	Christa Vista	CA	91910	USA	(619) 691-2249
Robsonaux Cycles	1317 Fairwood Ave	Clearwater	FL	34619	USA	(813) 726-3116
Robinson Helicopter	2801 Airport Drive	Torrance	CA	90505	USA	(310) 539-0608
Rolla Royce						
Ron's Metal Spinning (aka Airport Forming)	17263 Danen Ave. #12	Hesperia	CA	92346	USA	(760) 956-1080
Rony Manufacturing, Inc.	PO Box 1038	Blue Lake	CA	95626	USA	(707) 868-1867
Santa Fe Roll & Forming Co.	12120 Florence Ave.	Santa Fe Springs	CA	90670	USA	(562) 944-7865

Sargent Fletcher Inc.	8400 E Fair Ave	El Monte	CA	91731-2909	USA	(626) 402-2000
Selco, Inc.	1601 E. El Segundo Blvd	El Segundo	CA	90246	USA	(310) 322-4719
Satellite Mfg. Co.	13151 E. Florence Ave.	Santa Fe Springs	CA	90670	USA	(714) 739-4405
Seculig Engineering Corp.	3780 Thornwood Drive	Glendale	CA	90117-3601	USA	(805) 954-2294
Seepko Tube Swaging & Machining	17060 S. Western Ave., #17	Gardena	CA	90247	USA	(310) 515-8787
S.E. Racing	190 Bessick Blvd	San Marcos	CA	92068	USA	(619) 598-9270
S.E. Racing (dba Cycle Science)	190 Bessick Blvd	San Marcos	CA	92099	USA	(619) 598-9270
Sevier Faston, Inc. Stainless Steel Products Division	2980-N San Fernando Blvd	Burbank	CA	91504-2566	USA	(818) 841-9190
Sky Rider Equipment Co., Inc.	2681 E. White Star Ave., Suite B	Anaheim	CA	92806	USA	(714) 632-6890
Skyspace Parts, Inc.	18760 Egueta	Gardena	CA	90248	USA	(909) 361-0770
SMS Technologies Co	9711 Mason Ave	Chatsworth	CA	91311	USA	(818) 898-0733
Sonterm, Inc.	3086-3100 La Jolla	Anaheim	CA	92806	USA	(714) 830-7260
Southern United Industries	422 South Saint Louis	Tulsa	OK	74120	USA	*
Southern California Metals	9970 Bell Ranch Drive	Santa Fe Springs	CA	90670	USA	(562) 941-1816
Specialty Fabricators, Inc.	2221 Madens Road	Simi Valley	CA	93065	USA	(805) 579-0730
Sph-Alex, Inc.	10828 Dolores Ave	South Oale	CA	90280	USA	*
Square Tool & Machine Co., Inc.	9730 Factorial Way	So. El Monte	CA	91734	USA	(626) 442-4457
Standard Industries, Inc.	1440 S. AFac Street	Anaheim	CA	92805	USA	(714) 956-7110
Stein Industries, Inc.	4005 West Atlanta Ave.	Fullerton	CA	92633	USA	(714) 322-4560
Superior Engineering	10794 Los Vaqueros Circle	Los Alamitos	CA	90720	USA	(714) 995-8427
Supreme Castings & Pattern Co. Inc.	1165 Kramer Place	Anaheim	CA	92806	USA	*
Swift-Cor	344 W 157th St	Gardena	CA	90248	USA	(310) 354-1200
T-O Materials	2068 E. 37th Street	Los Angeles	CA	90056	USA	(323) 232-6171
Techni-Cast Corp.	11220 South Garfield	South Oale	CA	90280	USA	(562) 923-4563
Techniform Metal Curving, Inc.	375 S. Cactus Ave	Rialto	CA	92376	USA	(909) 877-6686
Teledyne Ryan						
The Trident Company	1430 E. Walnut Ave.	Fullerton	CA	92631	USA	(714) 441-3798
Threaded Fastener Engineering	1714 S. Grove Ave. Unit B	Ontario	CA	91762	USA	(909) 923-8787
Timmy Metals	2600 Marine Ave	Radondo Beach	CA	90278	USA	(310) 676-0184
Tomic Golf & Ski Co. Mfg. Inc.	23107 Mariposa Ave	Torrance	CA	90502	USA	(213) 776-6162
Tricoac	4450 A Dupont Court	Venture	CA	93003	USA	*
Troy Lighting, Inc. Custom Division	14625 East Clark Ave.	Industry	CA	91745	USA	(626) 338-8811
True Form (TF) Acquisition Inc dba)	12120 Park St	Cerritos	CA	90703	USA	(310) 926-9818
Trident Products						
Trio Metal Stamping	16318 East Proctor Ave.	Industry	CA	91746	USA	(626) 338-1228
Tube Technologies, Inc.	1566 Consumer Circle	Corona	CA	91720	USA	(909) 371-4878
Tuo Tool & Die Co., Inc.	3340 West El Segundo Blvd.	Hawthorne	CA	90250-4892	USA	(213) 772-1336
University Consortium for Atmospheric Research	PO Box 3000, 1860 Tappan Mesa Drive	Boulder	CO	80307-3000	USA	(303) 497-8787
University of California at Irvine, Physical Sciences Dept.	Reines Hall, Room 8003	Irvine	CA	92697-4675	USA	(849) 824-6048
Venolo Threading Co.	14002 Anson Ave	Santa Fe Springs	CA	90670	USA	(562) 802-1888
Waring, Inc.	8611 Whitaker Ave.	Buena Park	CA	90621	USA	(714) 623-5055
Weber Metals & Supply Co., Inc.	PO Box 318, 18706 Garfield Ave.	Paramount	CA	90723-0318	USA	(562) 692-0260
Wells Manufacturing Co.	PO Box 280, 2 Erik Circle	Yard	NV	89430	USA	(775) 346-0444
Western Machining Company, Inc.	1370 Acacia Ave	Fullerton	CA	92631-3318	USA	(714) 692-0066
Western Metal Spinning & Mfg. Co.	3025 Western Way	Perris	CA	92472	USA	(909) 667-6711
Wills Machine, Inc.	1445 Dorton Street, Suite 3	Venture	CA	93003	USA	(805) 644-0807