



UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION I
475 ALLENDALE ROAD
KING OF PRUSSIA, PENNSYLVANIA 19406-1415

April 19, 2001

MEMORANDUM TO: John W. Hickey, Chief
Materials Safety and Inspection Branch
Division of Industrial and Medical Nuclear Safety

FROM: John D. Kinneman, Chief
Nuclear Materials Safety Branch 2
Division of Nuclear Materials Safety

SUBJECT: VERIFICATION OF THE STATUS OF GENERALLY LICENSED
DEVICES (Temporary Instructions 2800/030)

As you know, we have been verifying the status of devices authorized for use under a general license in accordance with Temporary Instruction 2800/030 for the ninety-one cases currently assigned to the Region I. Attached is a working summary of our findings to date. The summary is provided for your information and may change in the future. Although we are pursuing a few remaining leads, we believe that, for the most part, we have completed the work for these cases. We are in the process of transferring and finalizing our findings to the three forms provided in the Temporary Instruction, but that process will take some time both because of the number of cases and because, in most cases, the findings do not fit into categories anticipated by the form. The forms completed to date can be found in ADAMS at accession number ML010860528 profiled as we thought appropriate. Please review the profile and let us know of any changes we should make in future form profiles. Records obtained from contacts will be contained in the files when they are returned to you.

We found sufficient information in over three quarters of the cases to reach a conclusion as to what likely happened to the generally licensed devices. We were able to locate one device that had been sold in a bankruptcy auction to an unlicensed person; we worked with the parent corporation of the seller and with the purchasing company to facilitate the return of the device to the vendor.

We found some problems implementing the Temporary Instruction. In particular, the instruction emphasizes identifying the general licensees so that the generally licensed devices can be registered. In almost all cases assigned to this region, there was no general licensee and no device to be registered. The assigned cases covered gauges originally distributed in the years between 1958 and 1995. In most cases the gauges have not been at the original location for over ten years, the company that purchased the gauges has changed hands, and very often the building in which the gauge was used has been demolished. At least a third of the cases involved gauges that had been properly disposed of and properly reported to the NRC, but that information was not reflected in the database.

Before additional cases are assigned, we recommend that the Temporary Instruction be revised to take into account the findings from the first cases. The first goal of the Temporary Instruction:

To determine the status of missing general licensees, and the location of the devices which are subject to registration.

should be clarified to emphasize locating the devices rather than the licensees. We recommend:

To determine the status of missing general licensed devices which are subject to registration and, if any devices are still in use, the location of the devices and the name of the general licensee.

A third goal should be added:

To determine weaknesses in the procedures for tracking generally licensed devices that could lead to incorrect database entries concerning the devices or loss of contact with general licensees.

The remainder of the Temporary Instruction should be revised to reflect the modified goals and the forms included in the Temporary Instruction should be revised to more easily document typical findings. We would be happy to work with you on the revision to the Temporary Instruction.

If you have any questions or need any clarification of the information herein, please do not hesitate to contact me.

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OFFICE	DNMS/RI	N	DNMS/RI	N	DNMS/RI			
NAME	KBrown KDB1		JDKinneman JDK					
DATE	4/ 4/01		4/ 4/01					

Region I General License Case Resolution Notes

Numerical Summary

I. Still in use or Disposed	II. Probably disposed properly	III. Probably improperly disposed	IV. No useful information	V. Other	Total
38	24	7	20	2	91

See the Summary Tables below for individual cases in each category.

Summary By Case File

I. Sources still in use or disposed properly

RCODE	File Name	Company Name	Device Status
18520	American National Can Company	Fort James Corporation Dixie Products Division	Returned
1148	Amstar Corporation	Tate & Lyle North America Sugars, Inc.	Returned
3423	Anheuser-Busch, Inc.	Gist-Brocades	Returned
23918	Anheuser-Busch, Inc.	Gist-Brocades	Returned
98	Anthracite By-Products	Sullivan Products	Returned
3727	Asarco, Inc.	Heritage Minerals or Asarco, Inc.	Returned
64051	Brooks Foods	Hoopeston Foods, Inc.	Device transferred via vendor
3174	Brown Company	Pulp and Paper of America	Returned
659	C. J. Schmidt & Sons	C. Schmidt & Sons (Schmidt Brewery)	Returned
19148	C. N. Flagg Company, Inc.	Honeywell Corp. (Stratford, CT tank engine plant)	Returned
7033	Champale, Inc.	Champale, Inc.	Returned

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I. Sources still in use or disposed properly

RCode	File Name	Company Name	Device Status
6788	Clorox Company	Clorox Company	Returned
62607	Coastal Lumber Company	Coastal Lumber Company	Returned
1205	Colgate-Palmolive Company	Colgate-Palmolive Company	Disposed as RAM
44200	Colgate-Palmolive Company	Colgate-Palmolive Company	Disposed as RAM
214	Columbia Geneva Steel Appropriation	U.S. Steel	Transferred to specific licensee
65168	Custodis-Cottrell	PECO Energy	In use
260	Delco Battery	Delco Division, General Motors Corporation	Returned
2105	Dorr-Oliver, Inc.	William H. Rorer, Inc. (became Rhone Poulenc Rorer/Avantis)	Returned
638951	Enterprise Coatings	Enterprise Coatings	In use
23895	Fischer & Porter Company	Allentown, Pennsylvania Waste Water Treatment Plant	Returned
2807	Florence Mining Company	Florence Mining Company	Returned or in use
49739	Florence Mining Company	Florence Mining Company	Returned
336	Gaylord Packaging Company	Possibly S & G Packaging	Returned
4520	General Foods	Phillip Morris/Kraft	Returned
47180	L. E. Carpenter & Co.	Forbo Industries	Returned
468	Lee Tire and Rubber	Goodyear Tire and Rubber	Returned
491	Masland Duraleather	Probably Uniroyal, Inc.	Returned
640198	Monix Industries	Northampton Fuel Supply Co. Inc.	Returned
522	Morris Paper Board Company	International Paper	Returned
1821	Nicholet Industries, Inc.	Nicolet Industries, Inc.	Returned

Region I General License Case Resolution Notes

I. Sources still in use or disposed properly

RCode	File Name	Company Name	Device Status
643407	Northampton Fuel Supply Co. Inc.	Northampton Fuel Supply Co. Inc.	Returned
642471	Pennex Products	Rexall Sundown	Returned
643355	Phillifilm	Phillifilm	Returned
3678	Technical Metals Company	Mill Steel	In use
3649	Teleco Oilfield Services	Baker Hughes INTEQ	Transferred to specific licensee.
62636	Therma-Systems	Unknown	Returned
65733	Universal Machine	Avantis	One returned, one in use

II. Source probably disposed properly, but company no longer exists or occurred so long ago, no records or corporate knowledge exists

RCode	File Name	Company Name	Device Status
1954	Air Reduction Chemical Company	Air Products Corporation	Probably Disposed Properly
52	Alan Wood Steel Company	Alan Wood Steel Company	Probably Disposed Properly
29931	Alcoa	Alcoa	Probably Disposed Properly
162	Allentown Portland Cement	Allentown Cement Company	Probably Disposed Properly
19186	Alsco Anaconda	Unknown	Probably Disposed Properly

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II. Source probably disposed properly, but company no longer exists or occurred so long ago, no records or corporate knowledge exists

RCode	File Name	Company Name	Device Status
28437	Amp, Inc	Tyco Electronics Corporation	Probably Disposed Properly
358	B. F. Goodrich	B. F. Goodrich	Probably Disposed Properly
6988	Boyle-Midway	American Home Products	Probably Disposed Properly
3636	Certainteed Corporation	Certainteed Corporation	Probably Disposed Properly
227	Consolidated Cigar Corporation	Consolidated Cigar Corporation or Altadis U.S.A., Inc.	Probably Disposed Properly
1224	Downingtown STP	Borough of Downingtown	Probably Disposed Properly
3286	Inmont Corporation	BASF Corporation	Probably Disposed Properly
3471	Jones & Laughlin Steel	LTV Steel	Probably Disposed Properly
180, 1510	L. E. Carpenter & Co.	Forbo Industries	Probably Disposed Properly
548	Nicholet Industries, Inc.	Nicolet Industries, Inc.	Probably Disposed Properly
18503	Olin Corporation	Olin Corporation	Probably Disposed Properly

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II. Source probably disposed properly, but company no longer exists or occurred so long ago, no records or corporate knowledge exists

RCODE	File Name	Company Name	Device Status
622	REM-CRU Titanium Corporation	Colt Industries	Probably Disposed Properly
1939, 47217	Remington Arms Company	E. I. du Pont de Nemours Company	Probably Disposed Properly
2384, 2628	Scott Paper Company	Kimberly-Clark	Probably Disposed Properly
3331	Sinclair-Keppers Company	Nova Chemicals	Probably Disposed Properly
3106	U.S. Steel Corporation	U.S. Steel Corporation	Probably Disposed Properly

III. Source probably improperly disposed

RCODE	File Name	Company Name	Device Status
87	American Viscose Division	FMC Corporation and Marcus Hook Development Park, Inc.	Probably scrapped
54189	Adobe Mining Company	Adobe Mining Company	Probably scrapped
2759	Blackwood Anthracite, Inc.	Blackwood Anthracite, Inc.	Probably scrapped
20175	Blackwood Anthracite, Inc.	Blackwood Anthracite, Inc.	Duplicate of 2759 (only one gauge sold by vendor)

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III. Source probably improperly disposed

RCode	File Name	Company Name	Device Status
1072	Champale, Inc.	Rumac Packaging Services	Two devices from these three Champale cases were probably scrapped. The others were transferred via the vendor
7558	Champale, Inc.	Rumac Packaging Services	
7529	Champale, Inc.	Rumac Packaging Services	

IV. Did not locate useful information concerning source

RCode	File Name	Company Name
51	Alan I. W. Frank Company	Alan I. W. Frank Company
3415	Alden Corporation	Glen Alden Corporation
3222	Amax Aluminum	Alumax
86	American Tobacco Company	Brown & Williamson or Fortune Brands
1145	Avitex Fabric, Inc.	Avtex Fibers, Inc.
1199	C. J. Beshore & Sons	Unknown
18492	Crompton & Knowles	Unknown
6523	Culmtech Ltd.	Culmtech Ltd.
254, 255	Custom Cannery Corporation	Custom Cannery Corporation
3011	Detroit Steel Corporation	AK Steel Corporation
2139	Fischer & Porter Company	Unknown
43053	HFS Plastics	Salwen Paper
1674	Henry Schwartz Company	Unknown
1315	Lummus Company	Unknown

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IV. Did not locate useful information concerning source

RCode	File Name	Company Name
640927	Maben Energy Corporation	Unknown
1633	Nashua Corporation	Nashua Corporation
52951	Newsco Well Services, Inc.	Newsco Well Services, Inc.
3592	Northbrook Metals	Northbrook Metals
2622	Raybestos Manhattan	Raymark Industries

V. Other

RCode	File Name	Company Name	Device Status
48071	Diamond Shamrock	Henkel Corporation	Contact provided no information
3348	Waterbury-Farrell	Waterbury-Farrell	Contact refused to provide any information

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File(s): 54189

Name on File: **Adobe Mining Company**, Grove City, PA

Responsible Party: None (Adobe Mining Company has abandoned its facilities and is bankrupt)

Contractor Result: Company out of business for years.

History: When Adobe went under, it abandoned a number of mining related sites. These sites have been reclaimed under the Pennsylvania Department of Environmental Protection's Mine Reclamation Project. For most Adobe facilities, including this one, Amerikohl Mining, Inc. performed the reclamation for the funds in the surety bond.

Amerikohl Mining said this was one of two coal tipple sites. At the end of Adobe Mining's existence, they dismantled the equipment and sold it as scrap. When Amerikohl arrived on site, all that was left were the concrete pads the equipment on which used to sit. There is no hope of tracing the sources. It is likely they were sold with the scrap metal from the equipment.

Contacts: Discussed site with John Saugrich of Amerikohl Mining (724) 282-2339.

File(s): 1954

Name on File: **Air Reduction Chemical Company**, Bound Brook, New Jersey

Responsible Party: Air Products Corporation

Contractor Result: Company out of business several years ago.

History: The facility belonged to the chemicals business of Air Reduction Company, more commonly known as Airco. At some point, British Oxygen Company (BOC) acquired Airco, but prior to that, Airco sold its chemical business to Air Products. Air Products operated the Somerset (Bound Brook), New Jersey facility for some time prior to its closing. Air Products closed the plant around 1980. It can find no records concerning gauges at the site.

Contacts: Reference Librarian, Bound Brook Public Library, Bound Brook, New Jersey (732-356-0043). Jim Mirriam, BOC Gases (908-771-1270). Steven Reese, Environmental Remediation, Air Products (610-481-7465) (He has since left Air Products). Nadine Potasiewicz (hot-line operator), Air Products (610-481-4302). Kevin Snyder, Environmental Coordinator, Air Products (610-481-6238, snyderkb@apci.com).

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File(s): 51

Name on File: **Alan I. W. Frank**, Easton, PA

Responsible Party: Alan I. W. Frank

Contractor Result: Company probably closed or moved.

History: The Alan I. W. Frank Corporation was headquartered at 4 Gateway Center, Pittsburgh, Pennsylvania. At one time it held two trademarks, both of which consisted of the letters AIWF in certain styles. The first, applied for in May 1965, was for wireless microphones. The second, applied for in February 1966, was for plastic drinking cups, cup-like containers, and lids. Both trademarks are expired, probably indicating that the Alan I. W. Frank Corporation no longer exists, at least as such.

From 1969 until the late 1970s or early 1980s, the A. I. W. Frank Company (which I believe to be the Alan I. W. Frank Company since its former owner is Alan I. W. Frank) operated a plant at the intersections of Route 202 and Route 30 in Exton, Pennsylvania that produced Styrofoam cups and plates. The site is now a Superfund site. According to an Environmental Protection Agency (EPA) news release concerning the site, the A. I. W. Frank Company went bankrupt. EPA records show that Mr. Frank was still alive as of 1990.

David J. Sheehe, the current General Auditor of the Federal Reserve Bank of New York was the Chief Financial Officer of Alan I. W. Frank, "a privately held manufacturer of plastics in Exton, Pennsylvania" from in 1971 to 1973. Given that the database listed one New Hampshire case as a New Jersey case (with a NJ zip code), it is likely that "Easton, PA" is really "Exton, PA." This theory is supported by the fact that no references to A. I. W. Frank mention an Easton site and that no personnel at the Dixie cup plant in Easton, Pennsylvania (interviewed by Bob Manier Radiation Safety Officer of the plant) recalled any such company in Easton, although it would have been a direct competitor. If the site in question is, indeed, the Exton site, it became a car dealership, which eventually closed. There were two buildings on the site. One of the buildings burned some years ago; the other was demolished in the Fall of 2000.

Contacts: Charlie Root, Remedial Project Manager, Environmental Protection Agency, Region 3 (215-814-3193).

File(s): 52

Name on File: **Alan Wood Steel Company**, Conshohocken, Pennsylvania

Responsible Party: None

Contractor Result: Company closed. Lukens Steel occupies the plant.

History: Alan Wood Steel Company operated the plant near Conshohocken, Pennsylvania until 1977 when it filed for bankruptcy and closed its doors. The plant was acquired by Lukens

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Steel, and later sold to Bethlehem Steel, who operates it as part of Bethlehem Lukens Plate. Long time employees who spanned the three companies reported that, when the plant reopened, the "x-ray gauges" were gone (the steel rolling equipment was still there and was the chief reason Lukens bought the plant). Since just the gauges were removed before or during the transfer of the facility to Lukens, it is likely they were disposed of properly.

Contacts: Borough of Conshohocken. Paul Waterman, Bethlehem Steel (610-832-7130).

File(s): 29931

Name on File: **Alcoa**, Lancaster, PA

Responsible Party: Alcoa

Contractor Result: The plant was closed and torn down approximately ten years ago. Provided new contact name and telephone number.

History: The plant was closed and torn down approximately ten years ago. They could locate no information concerning the devices, but appropriate personnel were on site overseeing the plant decommissioning.

Contacts: Barbara Stewart (412) 553-4482. She passed the issue along to the appropriate EHS person, and later called back with report.

File(s): 3415

Name on File: **Alden Corporation**, Wilkes Barre, PA

Responsible Party: Glen Alden Corporation

Contractor Result: No information

History: "Alden Corporation" in Wilkes Barre was very probably *Glen* Alden Corporation, previously known as Glen Alden Coal Company. There are a number of mines in the Wilkes Barre area known as Alden Mine No. 1, Alden Mine No. 2, etc. At one time, the Glen Alden Coal Company was a major concern in Wilkes Barre, so it is reasonable that these would have been their mines.

By the time of the gauge purchases, Glen Alden Corporation produced a variety of products. Sometime later (10/72), they merged with Rapid American Corporation, owned by Meshulam Riklis, the father of the leveraged buyout. This fact is important only in that public records concerning private corporations such as Rapid American are few and far between. Although Glen Alden Corporation was the surviving company in the merger, it immediately changed its name to Rapid American Corporation. At some point, Rapid American (still privately owned, which means there are no SEC filings) filed for bankruptcy. It is not yet clear to me whether this

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was a dissolution or a restructuring of debt. Rapid American was involved in numerous lawsuits concerning asbestos exposure related to a company Glen Alden sold in 1972.

The 1962, third quarter vendors report to the NRC (faxed by Ohmart-Vega) shows that the gauge was installed at the Huber Colliery of Glen Alden Corporation, Ashley, Pennsylvania. The last contact between the vendor and the licensee appears to be in November 1963; a search of records for 1964 and 1965 show no contact indicating that, if the sources were being leak tested, the licensee was having it done by someone other than the vendor.

It is not clear at what point Glen Alden shut down the colliery. The colliery is still standing but abandoned as of 1998. It appears it had no owner after Glen Alden and that Glen Alden got out of the coal business around ten years after the gauges were installed. The gauges may have still been there when Glen Alden sold or abandoned the facility. The facility has not been in use for many years and was neglected for much of that time. The site was extensively vandalized during that time, and equipment stolen apparently for scrap value (based on lack of care in its removal). The current owner Number One Contracting Corporation acquired the site about two years ago. The principal of the company is familiar with gauges of this type and is certain that none are at the breaker currently.

Contacts: Candy Brock, Ohmart/Vega Corporation (513-272-0131, ext. 159; CBROCK@ohmartvega.com). Al Roman, Principal, Number One Contracting Corporation (570-823-0325).

File(s): 162

Name on File: **Allentown Portland Cement**, Conshohocken, PA

Responsible Party: Allentown Cement Company

Contractor Result: No information

History: The former McKee, Fuller and Company, which operated as Lehigh Car, Wheel & Axle sold one of its mills to Allentown Portland Cement Company for stock in the company, thereby becoming a principal of Allentown Portland. Over the next several years, it acquired more shares and acquired complete ownership in 1918. Also in 1918, McKee, Fuller and Company, changed its name (or operating name) to Lehigh-Fuller. The company largely sold to Babcock and Wilcox (sale completed in 1927), but the company retained rights to certain products (primarily equipment used in cement manufacturer), and incorporated the Fuller Company on March 11, 1926, to produce the retained products. The plant in Conshohocken was a demonstration plant for the cement-making equipment and is specifically mentioned in a history of the Fuller Company at <http://www.hcpa.org/fuller2.htm>.

Fuller Corporation spun off Allentown Portland Cement Company, probably in the 1950s. At some point the company shortened its name to Allentown Cement Company. The company operated both a plant and a quarry in Conshohocken. The quarry was shut down in 1971 and the plant in 1975. The plant's site was sold to Smith Kline-French in 1978 after an orderly

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decommissioning of the site. Allentown Cement Company cannot locate records concerning disposal of the gauges at the time of the shutdown, but the history indicates a good chance they were dealt with properly.

Contacts: Ed Kline (610) 264-6823 of Fuller Corporation put me in touch with Peter B. Smith (610-926-1024) Safety and Environmental Manager at Allentown Cement Company, Inc. which was at one time Allentown Portland Cement Company. Mr. Smith confirmed both that it was the ex-Allentown Portland Cement Company and that it was spun-off of Fuller Company many, many years ago. He cannot find any records concerning the gauges.

File(s): 19186

Name on File: **AlSCO Anaconda**, Bridgeport, New Jersey

Responsible Party: Atlantic Richfield Company (ARCO)

Contractor Result: Company moved or closed?

History: Through a series of transaction, Atlantic Richfield Company (ARCO) purchased AlSCO Anaconda in 1977, who had manufactured aluminum storm windows and doors. AlSCO Anaconda had been formed in 1945 and operated until it merged in 1969 with a company that merged with another in 1971; and finally that company was acquired by ARCO. ARCO Environmental Remediation is looking into the disposition of the gauges from the Bridgewater site.

ARCO Environmental Remediation later called to say it found nothing on the devices. The vendor did have a record showing that AlSCO Anaconda had become ARCO Building Products, but could not find detailed records concerning the gauges. However, since ARCO shut down the site in an orderly fashion and since ARCO was aware of the gauges (since they changed the name with the vendor), it is likely they were disposed properly.

Contacts: Rosauro Delrosario, U.S. Environmental Protection Agency, Region 5 (312-886-6195). Walt Hufford, ARCO Environmental Remediation (610-640-4992). Chris Fitz, NDC Infrared Engineering, Inc. (626-939-3859).

File(s): 3222

Name on File: **Amax Aluminum**, Greenwich, Connecticut

Responsible Party: Alumax/Alcoa

Contractor Result: Amax Aluminum closed in 1993. Its aluminum business was purchased by Alumax (merged with Alcoa in 1998) and its coal business by Cyprus Amax Minerals Company. Could not determine the status of the gauges

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History: See above.

Contacts: None

File(s): 18520

Name on File: **American National Can Company**, Easton, PA

Responsible Party: Fort James Corporation

Contractor Result: American National Can (now Pechiney) Corporate Headquarters reported no plant in Easton, PA

History: Pechiney purchased American National Can in 1988. It is in the process of removing references to American National Can (see below), but its web site still lists the Chairman of the Board of Pechiney as the Chairman of the Board and CEO of American National Can.

Pechiney United States Headquarters reported that Pechiney recently spun off American National Can and sold it to RexAm PLC (a British company). I contacted David Elison, Environmental Affairs at Pechiney U.S.A. and Peggy Smith, Environmental Affairs at the current American National Can to try to determine site responsibility. While discussing the American National Can spin-off, purchase and upcoming merger into yet another company, Ms. Smith mentioned that American National Can came about through the merger of American Can and National Can. Recalling information found while investigating the fate of Brown Company, I realized that James Wood had owned American Can Company around the time of the merger and, prior to its purchase by James River Corporation, American Can Company had owned the Dixie line of products. There was and is a major Dixie Products manufacturing facility in Easton, Pennsylvania. I contacted Bob Manier (610-250-1417) Radiation Safety Officer at the Dixie plant and found that it had indeed been American National Can Company in the mid-1970s (and making Dixie cups and Dixie plates, as it does today). Furthermore, it is soon to become a Georgia Pacific plant owing to the eminent merger of Fort James Corporation (formed by the merger of James River Corporation with Fort Howard Corporation) with Georgia Pacific. Mr. Manier sent records showing that the gauges were returned to the manufacturer some years ago.

Note that determining this information by on-site inspection would have been difficult or impossible since the address of American National Can is given only as Easton, Pennsylvania.

Contacts: Bob Manier (610-250-1417) Radiation Safety Officer at the Dixie plant.

File(s): 86

Name on File: **American Tobacco Company**, Mountain Top, Pennsylvania

Responsible Party: Either Brown & Williamson or Fortune Brands.

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Contractor Result: Contractor reported that Brown & Williamson bought American Tobacco Company. Contractor provided contacts for Brown & Williamson in Richmond, VA (a warehousing operation). The Brown & Williamson Benefits Office said the plant had closed, probably in 1987.

History: In 1994, Brown & Williamson bought the American Tobacco Company. The ex-parent company, American Brands is still in business, but changed its name in 1997 to Fortune Brands. No one from B&W had any information about the gauges. The vendor also could not locate any records for the Mountaintop, Pennsylvania site.

Contacts: Phillip Meader, Brown & Williamson, Richmond, Virginia (804) 232-7027. Referred me to B&W HQ in Louisville, KY (502-568-7000) (Area code may be outdated). Nancy Newsome at ABB Industrial Systems (614-261-2339).

File(s): 87

Name on File: **American Viscose Division**, Marcus Hook, Pennsylvania (Division of FMC Corporation)

Responsible Party: None

Contractor Result: Company closed.

History: FMC bought American Viscose Company in 1963. FMC operated the plant for many years and closed it 1977, according to the Marcus Hook Borough Manager, abandoning it. In 1979, a company named Marcus Hook Development Park, Inc. expressed interest in developing the site as an industrial park. According to the Borough Manager, the site was in tremendous disrepair by this time, so Marcus Hook provided tax breaks and other incentives to the company, which bought the site from FMC in 1979. Instead of developing the site, however, the company sold all the equipment left on the site via auction and to salvagers, then declared bankruptcy (in 1983). In the process, it demolished most of the buildings (apparently to get ductwork, I-beams, etc.), spreading asbestos around the property. The site became a Superfund Removal Action because of the asbestos. Currently under PA DEP clean-up program.

Contacts: Bruce Dwervian, Borough, Marcus Hook (610-485-1341). Dustin Armstrong, PA Department of Environmental Protection (610-832-6206). Bill Cutler, FMC Remediation (215-299-6206).

File(s): 28437

Name on File: **Amp, Inc.**, Harrisburg, PA

Responsible Party: Tyco Electronics Corporation

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Contractor Result: Provided a contact and the correct address.

History: The address on the file was wrong. The facility at that address closed relatively recently, but over the years, many Amp groups have been moved in and out of the facility according to business needs. Amp was recently purchased by Tyco International. It is now Tyco Electronics Corporation.

Glen Foster of Tyco Electronics Environmental Health and Safety had a large number of cases – including this one – that Oak Ridge had provided him to follow up on. I was able to provide the S&DR sheets for the device in this case and the address for all source and device reviews. I told him to address this case along with the others and I would drop it for the time being.

I will not follow up on this case any further at this time. If there is more to be done after Amp addresses all the cases Oak Ridge referred to them, we can address it then. Although Mr. Foster has not been with Amp from the time this gauge was distributed, he has traced old devices and other hazardous material for the company. Based on Mr. Foster's report of Amp's program for dealing with such devices, I conclude that the source was likely handled properly.

Contacts: I called the contractor's contact, Jeff Paul (717) 592-6930 and found he is involved only in construction and relocating of Amp facilities in the Harrisburg area. He gave me the number of Glen Foster, Manager American Operations, Environmental Health and Safety (717) 986-7916; glfoster@tycoelectronics.com.

File(s): 1148

Name on File: **Amstar Corporation**, Philadelphia, Pennsylvania

Responsible Party: Tate & Lyle North America Sugars, Inc.

Contractor Result: Plant closed in 1982. Tate & Lyle North America Sugars, Inc. acquired Amstar Corporation.

History: The plant closed in 1982. Kohlberg Kravis and Roberts acquired Amstar Corporation in 1984 (leveraged buy-out) and sold it to Merrill Lynch in 1986. Merrill Lynch sold it to Tate & Lyle North America Sugars, Inc. in 1988.

Contacts:

File(s): 3423, 23918

Name on File: **Anheuser-Busch Inc.**, East Brunswick, New Jersey

Responsible Party: Gist-Brocades Food Ingredients, Inc.

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Contractor Result: Plant transferred to Gist Brocades around 1990. Buildings are being torn down

History: Then site, a yeast plant, was sold to Gist-Brocades Inc. around 1990. American Yeast/Lallemand bought the bakery business from Gist-Brocades, including the yeast business, around 1994. American Yeast, however, did not want the East Brunswick plant, so bought only the asset it wanted. Mr. Deedy reported that he oversaw the transfer. Since American Yeast did not want the gauges, Ohmart removed them.

Contacts: Bob Deedy, Engineer who oversaw transfer of the plant assets from Gist Brocades to American Yeast/Lallemand. Another person familiar with the gauges is Joe Zerman (*home*: 732-249-3363) who was employed at the plant around thirty years and oversaw the transfer for Gist Brocades. Sent e-mail to Ohmart to verify transfer.

File(s): 98

Name on File: **Anthracite By-Products**, Wilkes Barre, Pennsylvania

Responsible Party:

Contractor Result: None

History: Unknown. According to the database, the gauge was distributed in 1960. The vendor shows that the company changed to Sullivan Products. Although our records show only one source distributed to the company, the vendor reports that one gauge was returned in 1967 and two in 1970.

Contacts: Nancy Newsome at ABB Industrial Systems (614-261-2339).

File(s): 3727

Name on File: **Asarco, Inc.**, Lakehurst, New Jersey

Responsible Party: Asarco, Inc.? or Heritage Minerals?

Contractor Result: Site transferred to Heritage Minerals, but the gauges were not transferred.

History: The company used the gauges in conjunction with ilmenite mining. The mining is performed by digging a deep lake, allowing it to fill with ground water and using a dredge to remove ore-bearing sands. The gauge was attached to the tailings pipe line on the dredge.

Mr. Lord reported that he worked setting up and operating the mining operation for Asarco until his retirement in 1977. Asarco shut down the mine in 1982 and sold it to Heritage Minerals. Mr. Lord was hired as a consultant by Heritage to help it with sale of the property to duPont. Around 1985, Mr. Lord tried to determine what happened to the gauges. Employees who

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worked on the dredge reported that they were removed prior to the dredge being put in dry-dock and were properly disposed. From the descriptions, he thought they were probably returned to the vendor. He could not remember the name of the company from which Asarco had purchased the gauge, but picked Ohmart from a list of gauge manufacturers I dictated (I listed – in order – KayRay Ohmart Accuray and NDC as manufacturers that I thought were the most likely for this type of gauge). I will include this company on the request to Ohmart although there is good chance the gauge did not come from Ohmart.

Contacts: John Lord (732-922-6100) formerly employed by Asarco at the site as a mining and civil engineer and later consultant to Heritage Minerals.

File(s): 1145

Name on File: **Avitex Fabric, Inc.**, Valley Forge, PA

Responsible Party: Avtex Fibers, Inc. (bankrupt)

Contractor Result: Licensee inspected by NRC Region 2 (use address was not in PA) and sources disposed of by RSO, Inc.

History: Avitex Fabric, Inc. was a division or subsidiary of FMC Corporation. It was spun-off. The manufacturer finds no gauge records that fit this description. The closest is a distribution to FMC in Nitro, West Virginia in June 1972 (probably not the same gauge). The contractor's finding concerning a Region 2 inspection referred to gauges at the company's Fort Royal, Virginia plant, but there is no information from the contractor or the manufacturer that would lead to the conclusion that the gauges referenced in this file were at the Fort Royal, Virginia plant.

Corrections need to be made to the information in the generally licensed device database before the device can be tracked.

Contacts: John Saliwicki, KayRay/Sensall (s/b Mike Allred, RSO, KayRay/Sensall 847-768-5691 and mike_allred@kayray-sensall.com).

File(s): 358

Name on File: **B. F. Goodrich**, Oaks, PA

Responsible Party: B. F. Goodrich

Contractor Result: Company closed. No other information.

History: The plant in Oaks, Pennsylvania was a tire plant. It closed around 1985. They could locate no records specifically concerning the gauges, but did decommission (i.e., remove equipment, etc. and clean up) the site before releasing it.

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Contacts: Contacted Chris Shehe, B.F. Goodrich (704) 423-7070. He said that the appropriate person to contact was Ken Willings at 216-447-5636. I contacted Mr. Willings and faxed him a list of the gauges in question. He later telephoned with the information above.

File(s): 2759 and 20175

Name on File: **Blackwood Anthracite, Inc.**, Tremont, PA

Responsible Party: None

Contractor Result: Company strip mines.

History: The mine began operation in the 1800s and has had various owners over the years. In 1983, a company named Blackwood Anthracite, Inc. began mining on the site. It operated there until the late 1980s. During that time, it built a coal preparation plant (breaker) on the site. Near the end of its operations at the site, the breaker was torn down. Today, there are no structures or equipment on the property.

Although there are two files for Blackwood Anthracite, they contain identical information. The manufacturer said that only one gauge was sold to Blackwood Anthracite. The gauge was not returned to the manufacturer. It is likely that the gauge was installed on the breaker and was scrapped when the breaker was scrapped.

Contacts: Charles Novac, General Manager, Blackwood Inc. (owner of the mine for the past year or so) (610-863-3213). Jim Charowski, Pennsylvania Department of the Environment, Pottsville District Mining Office (570-621-3118) who has been inspector for this mine for the past eight years. Chris Fitz, NDC Infrared Engineering, Inc. (626-939-3859).

File(s): 64051

Name on File: **Brooks Foods**, Mount Summit, IN

Responsible Party: Curtice Burns Foods, Rochester, NY

Contractor Result: Equipment has been relocated to the new plant. The vendor was involved in the relocation.

History: Equipment has been relocated to the new plant. The vendor was involved in the relocation and reported it to the NRC on the appropriate report.

Contacts: Michelle Alvarado at Industrial Dynamics (310-257-2202)

File(s): 3174

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Name on File: **Brown Company**, Berlin, NJ

Responsible Party: Pulp and Paper of America

Contractor Result: None

History: According to the New Jersey Department of the Treasury, Division of Revenue, Brown Company merged with James River Delaware, Inc. (a corporation name that has been used by James River Corporation on several occasions to facilitate mergers). James River Corporation is now Fort James.

Fort James Corporate representative could find no record of a Brown Company mill in Berlin, New Jersey, but suggested it might refer to their primary mill in Berlin New Hampshire. She put me in touch with both Bob Chauvette at the Berlin, New Hampshire plant, which is now owned by Pulp and Paper of America, and Earl Hanson in Fort James Environmental, Health and Safety, who worked for Brown Company until early 1980.

Mr. Hanson said that Brown Company had no milling operations in New Jersey when he left in early 1980. He noted that at that time negotiations to sell the company to James River were on-going. He also said that the company had sales offices in New Jersey, thus were registered with the state.

Mr. Chauvette message reported that he had transfer records for gauges that he believed were the ones in question. They were bought at the time, and were the model number (The source and device registration sheet states, "Model 7062P source housings may be used with Kay-Ray Model 3500B .and 3600 density systems . . ."), isotope, and source strength indicated in the record for RCODE 3174. He showed receipt of three gauges, not the two indicated in our records. These three gauges were sent to Amersham Corporation along with eight others in 1996. He sent records showing their disposal.

Contacts: Contacted Jackie Powell at Fort James Environmental (847-317-5129), Earl Hanson, Fort James Environmental, and Bob Chauvette (603-342-2997), Pulp and Paper of America.

File(s): 6988

Name on File: **Boyle-Midway**, Cranford, New Jersey

Responsible Party: American Home Products

Contractor Result: The business was bought by American Home Products. There is a suggestion it may have been a Woolite plant. American Home Products sold Boyle-Midway to Reckitt & Coleman. Contacted Reckitt & Coleman (the appropriate pre-merger part of Reckitt Benckiser) and was told Boyle-Midway was split up with Reckitt & Coleman keeping certain products. No information found on the gauges.

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History: Boyle-Midway produced aerosol cans for commercial products at the site. The building was purchased about a year and a half ago, gutted, and converted to a combination office and warehouse facility. According to the database, the Fil-Tec gauges were installed in 1973 and 1981, so were likely removed in normal process renovation some years ago.

American Home Products apparently had Boyle-Midway at least as of 1974, which would mean AHP owned Boyle-Midway probably for the full time the gauges were there. They are the most likely candidate to have information or records. During the early eighties, American Home Products did business as Boyle-Midway. It is likely that Boyle-Midway had been an independent company that American Home Products absorbed; nonetheless it appears that at least between 1981 and 1983 (and possibly a greater interval), American Home Products called itself Boyle-Midway, at least in some circumstances. By 1987(?), Boyle-Midway existed as a corporation, but shared the address of American Home Products. American Home Products sold Boyle-Midway to Reckitt Coleman (later Benckiser through merger with Benckiser) in 1990, but a number of products that had been sold under the Boyle-Midway name (e.g., Black Flag products) did not go to Reckitt Benckiser. It does not appear that the facility referenced in this file went to Reckitt Benckiser. (Note: much of the history of Boyle-Midway and American Home Products was derived from registration and transfers of trademarks with the United States Patent and Trademark Office).

Contacts: Contacted Michelle Alvarado at Industrial Dynamics (310-257-2202) who reported that the only gauges in her database matching any of the company names the contractor had developed were gauges in use by Reckitt Benckiser, but that they were (and had always been) in Belle Mead, New Jersey, not Cranford. Left a message with Rob King at the Reckitt Benckiser plant. Mr. King will fax an inventory of the gauges, but he said the plant has never been Boyle-Midway. The Cranford Chamber of Commerce (908-272-6114) who reported the site history. Contacted Paul Linsolata of Wyeth (an American Home Products subsidiary) and asked that he have appropriate representative of AHP contact me. There were no further contacts with AHP.

File(s): 1199

Name on File: **C. J. Beshore & Sons**, York, Pennsylvania

Responsible Party: None?

Contractor Result: Company may have shut down around fifteen years ago.

History: It is likely this is a case in which the gauge was assigned to a contractor, rather than the company that owned the facility. The lack of references to the company suggest it was not a manufacturer of any size.

Contacts:

File(s): 659

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Name on File: **C. J. Schmidt & Sons**, Philadelphia, PA

Responsible Party: C. Schmidt & Sons, Inc.

Contractor Result: No information

History: The Christian Schmidt Brewing company was founded in Philadelphia in 1860. At its peak around 1983, the company was the nation's ninth-largest brewer and employed 1400. In 1976, the company was bought by William H. Pflaumer. When Crown, Cork & Seal recalled loans made to the company, the company was forced in 1987 to sell its brand names, including Schmidt) to G. Heileman. The brewery, located at second Street and Girard Avenue was not part of the sale.

Note that Masland Duraleather, Allegheny Avenue and Collins Street, Philadelphia, PA, a mile and a half away, also has zip code 19104 in the database, suggesting that the area was zip code 19104 at one time.

A source (serial number CF-4285) containing 12 mCi of ¹³⁷Cs was shipped to C. Schmidt & Sons in Philadelphia in March 1960. In 1964, this source was transferred to "a new plant" (according to the vendor's file) in Cleveland. It was returned to the vendor on February 16, 1972.

Contacts: Contacted Nancy Newsome at ABB Industrial Systems (614-261-2339 or Jonathan Fortkamp, RSO, 614-261-2337, jonathan.fortkamp@us.abb.com) who could find no file on C. Schmidt & Sons (or C. J. Schmidt & Sons) in Philadelphia. She did find a file for the company for Cleveland. Further review of the file by Mr. Fortkamp provided the source history above.

File(s): 19148

Name on File: **C. N. Flagg Company, Inc.**, Stratford, CT

Responsible Party: Allied Signal Corporation

Contractor Result: No one recalled the business.

History: C. N. Flagg Company, Inc. is a major construction contractor who was probably installing equipment at the site. The site manufactured tank engines (containing magnesium-thorium alloys) for the Army and was operated by Avco, then Textron, and most recently Allied Signal (now Honeywell). It closed down a few years ago, although it is still an open case within the Region 1 Laboratories and Decommissioning Branch. John Wray, Region 1 project manager for the site, received the appropriate records from site.

Contacts: Louis Bogash (listed as contact in the database). John Flemming, site Radiation Safety Officer.

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File(s): 1072, 7529, and 7558

Name on File: **Champale Inc.**, Trenton, NJ and Norfolk, VA

Responsible Party: None

Contractor Result: No information

History: Although Pabst Brewing Company acquired the Champale brand at some point, it appears they never owned the Trenton site(s). There is some confusion as to where gauges were being used. The manufacturer's records show the gauges (sources) being used at 1024 Lambertson Street, Trenton, New Jersey. This included the sources whose serial numbers appear in the records for the 180 Hewitt Avenue site. The manufacturer reported that Champale had only seven gauges (our records show twenty-nine). After Champale's demise, the gauges were taken over by Rumac Packaging Services, which sold (through the manufacturer) all but two. However, a U.S. Environmental Protection Agency history of the site, which is now a superfund site, states that the deal through Rumac was to operate at the site fell through, and Rumac never operated there. The City of Trenton reported that Rumac did operate for a brief time, but was shut down for failure to pay taxes. The contractor who was responsible for site demolition in 1997 reported that there were a large number of "Snapple bottle caps" scattered around the floor when it began work at the site. In any case, it is likely that two gauges were present on the site when the equipment was cleaned out prior to 1997.

The Hewitt Avenue site is a large warehouse that is currently for sale.

Contacts: Called Connie, Health & Safety for Pabst Brewing Company(210) 299-6969. She referred me to the holding company, S & P Company, 100 Shoreline Hwy, Mill Valley, CA (415) 332-0550. I discussed the various locations and devices with Yurios Appallas, an attorney there, who said he would look into it. Subsequently contacted Michelle Alvarado at Industrial Dynamics (310-257-2202) who reported the information noted above. I contacted Mr. Appallas to let him know that we had found that his company had not owned the site. Michelle Christina, Brownfields Coordinator, City of Trenton (609-989-3603). Bill Chandler, Winzinger, Inc. (609-267-8600, x31).

File(s): 7033

Name on File: **Champale Inc.**, Norfolk, VA

Responsible Party: None

Contractor Result: No information

History: Although Pabst Brewing Company acquired the Champale brand at some point, Champale, Inc. returned the gauges from this site to the manufacturer prior to that.

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Contacts: Called Connie, Health & Safety for Pabst Brewing Company (210) 299-6969. She referred me to the holding company, S & P Company, 100 Shoreline Hwy, Mill Valley, CA (415) 332-0550. I discussed the various locations and devices with Yurios Appallas, an attorney there, who said he would look into it. Subsequently contacted Michelle Alvarado at Industrial Dynamics (310-257-2202) who said that the sources from all gauges sold to this facility had been returned by Champale. I contacted Mr. Appallas to let him know that we had found that his company had not owned the site.

File(s): 6788

Name on File: **Clorox Company**, Jersey City, NJ

Responsible Party: Clorox Company

Contractor Result: Equipment moved to other locations. Status of gauges unknown.

History: The Jersey City facility was closed about seven years ago and all gauges returned to the vendor.

Contacts: I called Gary Schnitker at Clorox in Aberdeen, MD (410-273-5141). He said that he has changed positions and is no longer responsible for this area. He also said that he had sent a letter to the contractor documenting disposal of the gauges. He faxed me a copy.

I contacted Michelle Alvarado at Industrial Dynamics (310-257-2202) who confirmed receipt of the gauges in question. She also confirmed that the returns were included on the appropriate reports to the NRC.

File(s): 62607

Name on File: **Coastal Lumber Company**, New Florence (Clyde), Pennsylvania

Responsible Party: Coastal Lumber Company

Contractor Result: Device transferred to Weldon, North Carolina; contact provided

History: Coastal Lumber Company closed down their facility in Clyde, Pennsylvania (post office, New Florence) and moved an Asoma device for analyzing metals to Weldon, North Carolina. They have since (1999) replaced it with another device and transferred it to Oxford Instruments. The RSO at Oxford verified receipt of the instrument.

Contacts: Tom Evans (252-536-4211). Sam Klaidman, RSO, Oxford Instruments (978-369-9933, ext. 144; klaidman@ma.oxinstr.com)

File(s): 1205, 44200

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Name on File: **Colgate-Palmolive Company**, Jersey City, NJ

Responsible Party: Colgate-Palmolive Company

Contractor Result: Licensee reported gauges transferred to other locations, returned to manufacturer, or disposed of.

History: The two Jersey City addresses were on the same Colgate-Palmolive complex. The facilities there were closed some years ago.

Contacts: I called Maureen Johnston (212) 310-2650 and asked for the records concerning the transfers and disposals. She sent copies of the appropriate records showing the devices were disposed of via U.S. Ecology.

File(s): 214

Name on File: **Columbia Geneva Steel Appropriation**, Atlantic City, NJ

Responsible Party: USS-POSCO

Contractor Result: None

History: Columbia Geneva Steel operated a steel mill in Pittsburg, California (actually, the name was changed to Pittsburg from New York Landing in 1911 because of the success of Columbia Geneve Steel.) In 1930, it became a subsidiary of United States Steel. In 1986, USS-POSCO was formed as a joint venture between US Steel and Pohang Iron and Steel Company, Ltd.

Mr. Allen said that the Pittsburg CA plant was the only one that had ever used the name "Columbia Geneva Steel," and it was likely the gauge had been there. He suspected the Atlantic City address was a mailing address for some part of U.S. Steel since they had many offices in New Jersey at one time. He looked into it and called back.

Mr. Allen said that at the time the gauge was purchased, the Columbia Geneva Steel name was being used for all operations in the Western U.S. Columbia Geneva Steel Appropriation covered certain related operations. He wondered if, rather than Atlantic City, New Jersey, the record could refer to the Columbia Geneva Steel Appropriation, Atlantic City, Wyoming Mining Operation and referred me to Joe Curro.

Mr. Curro located a letter concerning the site from 1985 in which all gauges there were transferred to Universal Equipment Company at the same location. A gauge matching the description in the file was identified as under specific license.

It is possible that the gauge in question is the one referenced in the 1985 letter. If that is not the case, the letter demonstrates the likelihood that U.S. Steel followed the appropriate procedures in transferring the gauge prior to that time.

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Contacts: David Allen, Manager of Regulatory and Environmental Affairs, and Safety (925-625-4200), USS-POSCO, Pittsburg, California. Joe Curro, General Manager of Real Estate, U.S. Steel Corporation (412-433-7996).

File(s): 227

Name on File: **Consolidated Cigar Corporation**, Berwick, Pennsylvania

Responsible Party: Altadis U.S.A., Inc.

Contractor Result: The plant was closed ten years ago.

History: The plant was closed ten years ago. It appears that no records exist concerning the gauges.

Contacts: Jack McGoff, Plant Manager, McDoo, Pennsylvania plant (570-929-2355). Tom Reese, Consolidated Cigar, Fort Lauderdale, Florida

File(s): 18492

Name on File: **Crompton & Knowles, Davis Standard Division**, Pequabuck, Connecticut

Responsible Party: Unknown

Contractor Result: Device was probably installed on equipment shipped to another location.

History: The company designs and manufacturers extrusion systems. At times, they (indirectly) supply generally licensed gauges with equipment they manufacturer.

Contacts: None

File(s): 6523

Name on File: **Culmtech Ltd.**, Pittston, PA

Responsible Party: None

Contractor Result: Status of company unknown

History: Culmtech filed for bankruptcy in the Middle District of Pennsylvania (Northern Tier) and was dissolved in 1987. Culm is coal residue.

The vendor shows no record of distributing to Culmtech. This could indicate that the source was returned, but in that case they believe they would still show the installed address in their

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database with no inventory. It could also be that the gauge was purchased by another company and transferred in the vendor's database. However, Culmtech could have been a contractor who installed the gauge at someone else's site or our database could have misidentified the vendor. We can reach no conclusion concerning this case.

Contacts: Jon George, Service Engineer, TN Technologies (512-388-9308).

File(s): 65168

Name on File: **Custodis-Cottrell, Cromby Generating Station**, Phoenixville, PA

Responsible Party: PECO Energy, Cromby Generating Station, Phoenixville, PA

Contractor Result: Status of company unknown

History: Infoseek search for "Cromby Generating Station" found several references to Peco Energy's Cromby Generating Station in Phoenixville, PA. I telephoned a representative of the generating station who reported that both the gauges and the Custodis-Cottrell designed electrostatic precipitators are still there.

Infoseek Search on "Custodis Cottrell" produced three matches, all of which referred to the engineering firm that designed and built the electrostatic precipitators on which the gauges are located.

In a number of records including this one, the gauge is assigned to the contractor building the equipment on which the gauge is installed. When letters are mailed years later, the contractor is gone, so the mail is returned as improperly addressed.

The lesson to be learned is that the current system of issuing licenses does not reliably identify the general licensee. In addition, the current system has no way of dealing with address changes due to Post Office redesignation of addresses.

Contacts: Steve Roberts (610-983-4890)

File(s): 254, 255

Name on File: **Custom Cannery Corporation**, Philadelphia, PA and Union, New Jersey

Responsible Party:

Contractor Result: Status unknown

History: Based on lists of soda bottle collectors, Custom Cannery bottled (or canned) soda in Philadelphia. The only similar facility listed in Union City, New Jersey belonged to Mutual Beverage Works; which might mean that Mutual Beverage Works was affiliated with Custom

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Canners or might mean that Custom Cannery in Union City was involved in a different business. The vendor reported that Custom Cannery, Union City, New Jersey changed its name to Shasta. It could not provide any information about the sources, however. The vendor showed two sources distributed to the Philadelphia site, but neither was returned.

Contacts: Nancy Newsome at ABB Industrial Systems (614-261-2339).

File(s): 260

Name on File: **Delco Battery**, New Brunswick, NJ

Responsible Party: Delco Division of General Motors

Contractor Result: Plant closed

History: Although the New Brunswick Delco plant probably is closed, the Delco Division of General Motors is very much in business. According to the database, the gauge was distributed in 1958. The vendor reported that it was returned in 1967.

Contacts: Nancy Newsome at ABB Industrial Systems (614-261-2339).

File(s): 3011

Name on File: **Detroit Steel Corporation**, New Haven, CT

Responsible Party: Detroit Steel Products Corporation

Contractor Result: Contractor reported that Detroit Steel went out of business.

History: I originally could find no record of Detroit Steel Corporation. A Company called Detroit Steel Products Company, Inc., part of the Marmon Group, was founded in 1904. It continues to make parts for automobile and truck suspensions. Its Headquarters are in Morristown, IN. Its representative (who has been with the company for 25 years) says that his company has had no facility in New Haven, Connecticut during his time with the company.

Additional searches found that Detroit Steel Corporation operated plants in Portsmouth, Ohio, Hamden (New Haven suburb), Connecticut, and perhaps other places. Search of trademarks owned by the company found that one, Tex-Tube, had come to be transferred to Cyclops Corporation, which was later acquired by Armco, Inc. in 1992. A report in a Wallingford, Connecticut newspaper refers to a Detroit Steel Corporation plant in Hamden, Connecticut through 1988. The 1993 Armco annual report discusses an action taken against it as successor to Cyclops Corporation, Detroit Strip Division in regard to its closed facility in Hamden, Connecticut. It appears likely that the reference is to the former Detroit Steel Corporation plant (with "Detroit Strip Division" a logical business unit name after the plant was

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absorbed by Armco). Late last year (1999) Armco was acquired by AK Steel Corporation, 703 Curtis Street, Middleton, OH 45043 (513-425-5000).

The plant was closed thirteen years ago, and the company has undergone two ownership changes since. There is little chance of locating any information beyond that already found. The vendor does not show the site in its records, although it does have a Detroit Steel file which notes the name change to Cyclops. The vendor is missing its Cyclops Corporation file.

Contacts: Spoke with Jack Griffin, Detroit Steel Products Corporation (765-763-6098). Nancy Newsome at ABB Industrial Systems (614-261-2339).

File(s): 48071

Name on File: **Diamond Shamrock**, Morristown, New Jersey

Responsible Party: Henkel Corporation

Contractor Result: Identified responsible party and contact

History: The Diamond Shamrock Morristown facility was primarily (solely?) a research facility for the Process Chemical Division. Henkel bought Diamond Shamrock around 1986 and operated the facility for some time before closing it. After being convinced that the gauges could be Henkel Corporation's responsibility, the Associate General Counsel promised to look into it and get back to me. She has not contacted me and has not answered several contacts.

Contacts: Julliette Richter, Associate General Counsel, Henkel Corporation (610-270-8133) (juliette.richter@henkel-america.com).

File(s): 2105

Name on File: **Dorr-Oliver, Inc.**, Fort Washington, PA

Responsible Party: William H. Rorer, Inc. (now Rhone Poulenc Rorer)

Contractor Result: Company (Dorr-Oliver) has only one plant in Pennsylvania, which is in the town of Hazelton.

History: Performed address reverse search which indicated that Rhone Poulenc Rorer and Novartis were there. Checked the Rhone Poulenc Rorer specific license file and found that they had moved some research laboratories from that location some time ago.

Searched for Dorr-Oliver on the web and learned that they are a major manufacturer of equipment used by the chemical and pharmaceutical industries.

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Called the RSO of Rhone Poulenc Rorer and learned that they had one facility at that address in addition to the research laboratory: a production plant for Maalox. They sold the Maalox plant and product to Novartis. Novartis subsequently moved the operation to Nebraska. Called Mr. Latenser at Novartis and found that all gauges were returned to the manufacturers upon decommissioning the site. The gauge referenced in this file (installed in 1969), however, was not among the gauges returned.

Called Candy Brock at Ohmart/Vega. She located the original transaction record confirming all of the above: the gauge was sold to Dorr-Oliver whose customer was William H. Rorer, Inc. The gauge was returned in late 1970.

Contacts: David W. Nash, RSO, Rhone-Poulenc Rorer (), Bill Latenser, Novartis (402-467-8829), Candy Brock, Ohmart/Vega (513-272-0131, ext. 159; CBROCK@ohmartvega.com)

File(s): 1224

Name on File: **Downingtown STP**, Downingtown, PA

Responsible Party: Downingtown Regional Water Pollution Control Center

Contractor Result: Contacted responsible party.

History: The gauge was installed at the Downingtown waste water treatment plant in 1972, possibly on the sludge incinerator, still there but not used. Mr. Fink found that the gauge is not at the location the drawings indicate it was installed (the sludge thickener discharge). He says it was removed prior to his company operating the plant in December 1985. He has checked various storage places at the site just in case and has not located the gauge. The Downingtown Area Regional Authority has check all records transferred from the borough of Downingtown, who operated the plant from 1972 to 1985. There are no records concerning the gauge except for a work order for the electrical company to connect a customer supplied gauge to power during construction. Other equipment has been installed at the location that used to house the gauge, which leads the Authority to put the gauge disposal time in the 1970s.

Contacts: Contacted David Fink, (610) 269-8121, employee of the contractor operating the plant. I also sent him the device registration for the gauge. Herb Mays, Executive Director, Downingtown Area Regional Authority (610-363-3832).

File(s): 638951

Name on File: **Enterprise Coatings**, Putnam, Connecticut

Responsible Party: Enterprise Coatings

Contractor Result: Operation moved to Rhode Island.

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History: The operation moved to Rhode Island. The NDC gauges are still in use at the new location.

Contacts: Fred Whittle, Enterprise Coatings (401-766-1500).

File(s): 23895

Name on File: **Fischer & Porter Company**, Allentown, Pennsylvania

Responsible Party: City of Allentown, Water Resources

Contractor Result: The companies Allentown facility is closed. The company is now ABB Automation Inc., ABB Instrument Division. Don Class is the contact.

History: Fischer & Porter manufactured industrial gauges: specifically, precision flow meters. They also calibrated and serviced gauging systems. The record lists the gauge recipient as "Fischer & Porter Company, c/o Carl E. Widell & Sons, Foot of 2nd Street, Allentown, PA." This suggested that it was being installed at a site, especially after I learned that Carl E. Widell & Sons is a construction company. The problem being solved is clear: the gauge can measure if flow is constant or flow if material density is constant. Clearly a system was being installed in which neither the flow rate nor the density of material could be controlled. That combined with the street address "Foot of 2nd" suggested a wastewater treatment plant. The City of Allentown, Water Resources Department confirmed that its waste treatment plant is at the end of 2nd Street, next to the Lehigh River. The plant, built in 1928, underwent major renovations that were completed in 1968. The gauge was initially distributed in the third quarter of 1967. The Department representative was fairly certain that Widell was the contractor for the renovations.

Mr. Coplish reported that they disposed of the gauge some years ago. He described leak testing the gauge, packaging it, and filling out papers that sounded as though they were shipping papers prior to shipping it off site. It is very likely it was returned to the manufacturer. He gave the serial number for the gauge as 6785 according to one of the leak test records from the time the gauge was there. Vendor confirmed the return of the gauge.

Contacts: Don Class, ABB Automation Inc., ABB Instrument Division (215-674-6046) said that the company has never had a facility in Allentown. The Horsham address was the Systems Division shop in the 1980s. Carl E. Widell & Sons is a construction company in the Allentown area, and, since the address is care of them, was probably the general contractor for a project they worked on. Donald _____ at the Allentown Wastewater Treatment Plant (610-437-7641) relayed the pertinent history of the plant and confirmed the project contractor. Don Coplish, Allentown Wastewater Treatment Plant (610-437-7689) gave gauge disposal history. Candy Brock, Ohmart-Vega (513-272-0131, ext. 159; CBROCK@ohmartvega.com).

File(s): 2139

Name on File: **Fischer & Porter Company**, Horsham, Pennsylvania

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Responsible Party: Unknown

Contractor Result: The companies Allentown facility is closed. The company is now ABB Automation Inc., ABB Instrument Division. Don Class is the contact.

History: Fischer & Porter manufactured industrial gauges: specifically, precision flow meters. They also calibrated and serviced gauging systems. The address listed was the Systems Division shop of Fischer & Porter Company in the 1980s. Among the services the Division provided was calibration of industrial gauges. Since the gauge was originally distributed in late 1960, it is likely the Fischer & Porter name was attached when they calibrated the system on which it was installed during the 1980s. As an instrument manufacturer and service firm, Fischer & Porter has never had reason to have a gauge to measure the density of material in a pipe.

Vendor needs more information to determine gauge owner.

Contacts: Don Class, ABB Automation Inc., ABB Instrument Division (610-674-6046) said that the company has never had a facility in Allentown. The Horsham address was the Systems Division shop in the 1980s. In the 1960s, it was a farm (i.e., nothing yet built). Carl E. Widell & Sons is a construction company in the Allentown area, and, since the address is care of them, was probably the general contractor for a project they worked on. Candy Brock, Ohmart-Vega (513-272-0131, ext. 159; CBROCK@ohmartvega.com).

File(s): 2807, 49739

Name on File: **Florence Mining Company**, Seward, PA

Responsible Party: Florence Mining Company

Contractor Result: Facility is closed

History: The gauges referenced in one of the files were installed in a Coal Preparation plant. That plant has, indeed, been demolished and the gauges returned to TN Technologies, Inc. The licensee faxed records from TN Technologies, Inc. documenting the return of the gauges. The other file references gauges that are strapped onto pipes at the licensee's site, and those gauges are still in use.

Contacts: John Cernetich, Electrical Engineer, Florence Mining and Company and (the parent company) Maple Mountain Equipment (724-676-5031).

File(s): 336

Name on File: **Gaylord Packaging Company**, Hackensack, New Jersey

Responsible Party: Unknown

Region I General License Case Resolution Notes

Contractor Result: Business is not at address on record. Gaylord Container Corporation does not recognize the address as one of its facilities.

History: The closest match found to this company name is a reference to Chicago company Stone & Gaylord Packaging. Further investigation found that Stone & Gaylord Packaging is more properly S & G Packaging, which was formed in 1996 by combining the retail packaging (grocery bag) operations of Stone Container Corporation and Gaylord Container Corporation. It is likely that, prior to 1996, the Gaylord Container Corporation operations were referred to as Gaylord Packaging (e.g., Gaylord Packaging Division, Gaylord Container Corporation Packaging Operations, etc.). S & G Packaging has a plant in Northern New Jersey, but it is located in Elizabeth and was originally a Stone Container Corporation facility.

The vendor shows that the source distributed to Gaylord Packaging in Hackensack, New Jersey was returned in 1964.

Contacts: S & G Packaging plant, Elizabeth, New Jersey (908-351-2400). Nancy Newsome at ABB Industrial Systems (614-261-2339).

File(s): 4520

Name on File: **General Foods**, Hoboken, NJ

Responsible Party: Phillip Morris Companies

Contractor Result: Company closed. No other information.

History: In 1985, Phillip Morris Companies, Inc. acquired General Foods. It then acquired Kraft in 1988 and combined the two into Kraft General Foods in 1989.

Contacts: Contacted Kathie Pernue 847-646-3946 at Kraft. She referred the call to Rob Lawrence 914-335-6814. He has disposal for all gauges from the Hoboken site. NRC contractor CSC has asked him to provide records for this site and a former Post cereal site in Battle Creek, Michigan. I told him that he need not provide the records to this office; providing the records to the contractor was sufficient (particularly since our file does not identify the gauges for the site and apparently the contractors does).

File(s): 43053

Name on File: **HFS Plastics**, Edison, NJ

Responsible Party: Salwen Paper

Contractor Result: See below.

Region I General License Case Resolution Notes

History: The correct company name is KFS Plastic. KFS sold the plant intact to Salwen Paper. An attorney who worked on the disposition of assets after Salwen Paper went out of business said that Salwen purchased two extrusion machines from KFS and both are long since gone.

Contacts: None

File(s): 1674

Name on File: **Henry Schwartz Company**, Philadelphia, Pennsylvania

Responsible Party: None(?)

Contractor Result:

History: New Jersey Department of the Treasury, Division of Revenue reports the "Home Jurisdiction" of Henry Schwartz Company is Massachusetts. The company registered with the New Jersey Department of the Treasury, Division of Revenue in July 1972 and filed its last required annual report in 1974. The registration was revoked in 1977 for failure to pay taxes (presumably a formal move for a company not heard from in three years).

Contacts:

File(s): 3286

Name on File: **Inmont Corporation**, Clifton, New Jersey

Responsible Party: BASF Corporation

Contractor Result: Chamber of Commerce said company moved to Mount Holly. There follows a confused discussion of BASF's actions with various units of the ex-Inmont Corporation. The discussion states that Inmont in Clifton manufactured "printing ink" and some type of automotive related products.

it is not clear whether the business went to Sun Chemicals (printing ink for grocery industry only), "some other company" (printing ink for publishing)

History: BASF bought Inmont from United Technologies in 1985. Part of the business was sold to Sun Chemical, but probably after the BASF purchase. The Clifton, New Jersey facility was offices, research, a pilot plant for paint and ink production, and a huge Heidelberg press used to test performance of Inmont products (customers had problems with their ink and Inmont would try it at home to determine what was wrong). The site was decommissioned by BASF: machinery did not go elsewhere with the exception of the press, which was sold for pennies on the dollar to an engineering firm or a university.

Contacts: Tom Hallowell, Manager of Safety and Ecology, BASF, Mount Holly, New Jersey.

Region I General License Case Resolution Notes

File(s): 3471

Name on File: **Jones & Laughlin Steel**, Pittsburgh, Pennsylvania

Responsible Party: LTV Steel

Contractor Result: Plant sold and dismantled.

History: LTV Steel reported that they had done an inspection prior to acquiring the site and no gauges were present at that time. They could not locate any information concerning the gauges. The two gauges were distributed to Jones & Laughlin Steel in 1964 and 1971, so, based on the typical duration of use of individual gauges that we found (seven or eight years), it is likely the second gauge replaced the first and the second was removed during a renovation in the late 1970s or early 1980s.

Contacts: Mike Kovach, LTV Steel (216-622-4835; mikovach@ltvsteel.com).

File(s): 180, 1510, and 47180

Name on File: **L. E. Carpenter & Co.**, Hazelton, Pennsylvania and Wharton, New Jersey

Responsible Party: Forbo Industries

Contractor Result: Found that Forbo Industries had acquired (via a chain) L. E. Carpenter Company

History: Forbo Industries acquired a company that had acquired L. E. Carpenter. Forbo shut down operations in Wharton and moved them to Hazelton. They have since divested of manufacturing (to RJF in Ohio) and now do warehousing and sales. In Wharton, there were three machines (produced thin plastic wall covering). When the Wharton site closed, two lines/gauges were taken out of service and the third was sent to Hazelton. Sometime in the next seven years, that line/gauge was taken out of service and either two or three more were put in service. When Forbo divested of manufacturing facilities, one line was sold to RJF International Corporation, Oak Grove, Marietta, OH 45750 (Contact: Ray Sawyer, Plant Engineer, 740-374-6400) and one to RJF International Corporation, 4700 Shepardsville Road, Louisville, Kentucky 40218 (Contact Mike Ulanowski, Plant Engineer; Vendor's Contact: Bob Mogenstern; 502-458-3271). If there was a third, it was taken out of service in Hazelton.

NDC Infrared Engineering, Inc. reported that it had sold two gauges (serial nos. 2965 and 5044) to the L. E. Carpenter. A note in its file dated October 12, 1999 stated that there were no more manufacturing facilities on the Hazelton, PA site. Its records show that the two gauges were transferred on May 31, 1995 to RJF International, one to the Marietta, Ohio site and the other to the Louisville, Kentucky site. The former gauge was transferred to the Louisville, Kentucky site on February 28, 2000. Both have been leak tested regularly.

Region I General License Case Resolution Notes

Contacts: Dennis Darragh, Vice President (570-459-0771) explained history. He will speak to Jim Chew, long time warehouse man, who would be likely to know both some history and where the records would be if they have any. Mr Chew (570-459-0771, ext. 506) said that he thought both the Hazelton gauges and the Wharton gauges had gone with the machinery to RJF International Corporation in Marietta, Ohio. Contacted Wally Yocum, who had originally been at the Wharton, New Jersey site, left the company for seven years, rejoined at the Hazelton, Pennsylvania site, and is now at the Marietta, Ohio site (740-374-6400) and has been familiar with the use of the gauges in each place. He said no gauges went with the lines to Marietta; they were removed prior to the transfer of the lines. Chris Fitz of NDC Infrared Engineering (626-939-3859) (Case 47180).

File(s): 468

Name on File: **Lee Tire & Rubber**, Conshohocken, PA

Responsible Party: Goodyear

Contractor Result: Company closed several years ago.

History: In 1966, Lee Tires became a subsidiary of Goodyear Tire and Rubber, and closed in 1978. Goodyear supplied records of transfers of the gauges from the vendor. While the gauges do not completely align with our record, these cases have not shown our records to be reliable.

Contacts: Ed Pudala, Goodyear Environmental Chemical Material Safety (330-796-7377).

File(s): 1315

Name on File: **The Lummus Company**, Pittsburgh, Pennsylvania

Responsible Party: Unknown

Contractor Result: Neither Lummus Corporation, Columbia, SC nor ABB Lummus had a facility in Pittsburgh. No information on this company.

History: Lummus Corporation, Columbus, Georgia manufactured cotton mills until 1993. ABB Lummus designs and builds (or at least oversees) a variety of industrial facilities. The gauges are gamma backscatter thickness gauges, which could be used to measure the thickness of fibers or of any number of other products. It is likely that one of these companies ordered the gauges from a customer's site in Pittsburgh and installed them there.

The vendor could find no distribution records for the zip code in the file (15236) and only one for a Pittsburgh address, that being PPG Industries, Fiberglass Research Center, 201 Zeta Drive, Pittsburgh, Pennsylvania 15238. There is no reason to connect that gauge with this case.

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Contacts: Chris Fitz of NDC Infrared Engineering (626-939-3859)

File(s): 640927

Name on File: **Maben Energy Corporation**, Rhodell, West Virginia

Responsible Party:

Contractor Result: Site is a coal tipple which was sold to Essential Fuels, Inc.

History: The telephones for several offices of Essential Fuels were disconnected including the one previously contacted by the contractor. The corporation appears to have dissolved; a news article states that it filed for bankruptcy in August 1998. The only address given for the facility in question is "Rhodell, West Virginia," which gives little to go on to determine which coal tipple (it appears there are many in the area), is referenced.

Contacts: None

File(s): 491

Name on File: **Masland Duraleather**, Philadelphia, PA

Responsible Party: Not clear at present. Formerly Uniroyal, Inc. which has split into several businesses under several companies.

Contractor Result: Contacted Masland Carpet, who knew nothing of this business.

History: I found that Masland Duraleather had owned various trademarks, most of which were expired, but two of which, Duran and Vinylaire, were owned by Uniroyal Engineered Products, Inc. and Uniroyal, Inc. respectively. Uniroyal purchased Masland Duraleather in the sixties or seventies and operated the Philadelphia plant for a time. The plant was closed prior to 1985. In 1985, Uniroyal was taken private, then the following year, it became a holding company and its subsidiaries were taken public or sold. Uniroyal Plastics was purchased by Polycast Technology Corporation and eventually (with more spin-offs, some bankruptcies, etc. in the middle) became Uniroyal Technologies Corporation. Mr. Janney spoke to Uniroyal Technologies' chief engineer, who was involved in the decommissioning of the Philadelphia plant. He reports that all gauges dealt with properly, though he does not remember whether they were returned to the manufacturer or disposed of by other means. Mr. Janney reported that he cannot locate any records concerning the site in Uniroyal Technologies' files. Uniroyal Holding Company reported that it has no such records; all records concerning these devices would have been transferred to the appropriate operating company at the time it was spun off. ABB Industrial Systems reported that all devices sold to Masland Duraleather in Philadelphia were returned. The devices were all Model U-1 or U-2.

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Contacts: Contacted C. H. Masland, (717) 249-1866 who knew nothing of this business. U.S. Patent and Trademark Office web site (to see if anyone was using the trademark, "Duraleather.") Martin Goodfriend, VP, Uniroyal Technologies Corporation (Uniroyal Engineered Products' parent) (941) 361-2216 and subsequently Oliver Janney (941) 361-2212. Uniroyal bought Masland Duraleather. Bob D'Angello (203-720-1427, x26) Council for Uniroyal Holding Company. Jonathan Fortkamp, RSO at ABB Industrial Systems (614-261-2337, jonathan.fortkamp@us.abb.com).

File(s): 640198

Name on File: **Monix Industries**, Stoystown, Pennsylvania

Responsible Party: PG&E National Energy Group, Northampton Fuel Supply Co., Inc.

Contractor Result: Company probably went out of business and/or name changed.

History: Gauge belonged to Northampton Fuel Supply Company, Inc. It was returned to the vendor. See Northampton Fuel Supply Company, Inc. (RCODE 643407).

Contacts: Maitland Horner, PG&E Generating (301-718-6800). Bob Lopez, PG&E National Energy Group, Northampton Fuel Supply Co., Inc.

File(s): 522

Name on File: **Morris Paper Board Company**, Paterson, NJ

Responsible Party: International Paper?

Contractor Result: Business is closed (no evidence for conclusion provided)

History: In 1954, the Morris Paper Mills Corporation, 135 S. La Salle St., Chicago, IL received a trademark, "Presapak," for wrap-around type containers and article carriers of flexible paperboard for packing and transporting articles of merchandise. The trademark was renewed in 1974, but has since expired. It is very likely that the facility in question belonged to Morris Paper Mills Corporation, Chicago, IL since two companies with very similar names in the same industry usually results in trademark infringement suits.

In the late 1970s and continuing through the 1980s, there was a great deal of consolidation in the paper industry. On the assumption that Morris Paper Mills may have been swallowed by another paper company, I contacted a Smurfit-Stone paper mill in Morris, Illinois on the assumption that it could have once been Morris Paper. It had not, but a long time worker there reported that the Morris Paper Mill had, indeed, been in Morris, had become a Federal Paper Board and Packaging mill, and had since closed. I found that a company named Federal Paper Board was purchased by International Paper in 1998.

Region I General License Case Resolution Notes

The vendor reported two sources were distributed to Morris Paper Board's Paterson facility at two different times. Our database shows a single distribution in 1976. Both sources were returned in the 1980s.

Contacts: Rich Maday, Smurfit-Stone mill in Morris, Illinois (815-941-3564). Nancy Newsome at ABB Industrial Systems (614-261-2339).

File(s): 1633

Name on File: **Nashua Corporation**, Newark, New Jersey

Responsible Party: Nashua Corporation

Contractor Result: Facility was sold several years ago.

History: Nashua purchased the Newark facility in 1961. It sold the facility to Graphic Controls in 1986. Mr. Remmus believed the plant never would have had beta gauges because it never did coating work (The plant and the Nashua plant in New Hampshire produced graphs and maps. In the New Hampshire plant, they applied the coating layer (laminated?) that makes the product able to resist weather.) It did printing and "slit & sheeting" of maps and charts.

Contacts: Walter Remmus, Nashua Corporation (603-880-2748).

File(s): 548, 1821

Name on File: **Nicolet Industries, Inc.**, Norristown, PA

Responsible Party: Nicolet Industries, Inc.

Contractor Result: Company closed in the 1980's

History: Nicolet Industries manufactured asbestos products. The site in Ambler, PA on which it dumped waste products beginning in 1962 became a Superfund site in 1986. Nicolet Industries declared bankruptcy in 1987 (which chapter is not known). Nicolet's history in dealing with the Environmental Protection Agency (defied order to cease dumping at site) does not suggest that one should necessarily believe they disposed of the gauges properly.

The database shows that Nicolet Industries received one or two gauges from ABB Industrial Systems (then Industrial Nucleonics) in the third quarter of 1965. The received as many as eight gauges from Honeywell-Measurex between 1982 and 1984. Honeywell-Measurex reported that all gauges distributed to the company are accounted for (returned or evidence of proper disposal provided). It is likely that the ABB Industrial gauges were also returned to the vendor.

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Contacts: Elsa Nimmo, Radiation Safety Officer, Honeywell-Measurex Corporation (408-864-7860 or 408-255-1500).

File(s): 643407

Name on File: **Northampton Fuel Supply Company, Inc.**, Pittston, Pennsylvania

Responsible Party: PG&E National Energy Group, Northampton Fuel Supply Co., Inc.

Contractor Result: Company changed name to US Generating and moved to Bethesda, Maryland

History: The gauges for the Northampton case and the Monix Industries case concerned gauges that were incorporated into a portable coal processing facility. The addresses were incorrect because the facility was portable. Monix was a contractor that operated the facility for Northampton at one time. The facility is currently idle and all gauges have returned to the vendors; the records were provided.

Contacts: Maitland Horner, PG&E Generating (301-718-6800). Rick Grubb, Plant Manager, PG&E National Energy Group, Northampton Fuel Supply Co., Inc. (610-261-3077) Bob Lopez, PG&E National Energy Group, Northampton Fuel Supply Co., Inc. (570-825-4320, ext. 201).

File(s): 52951

Name on File: **Newsco Well Services, Inc.**, Brookville, Pennsylvania

Responsible Party: BJ Services Company

Contractor Result: Newsco was purchased by BJ Services in 1996, but this facility not purchased. The vendor shows these sources were shipped to a facility on McKinley street in 1989 and 1990. The former was gauge serial no. B5537 and source serial No. GG4476. The latter was gauge serial no. B5835 and source serial No. GG5266. Neither has been returned.

History: BJ Services received no records concerning this facility from Newsco.

Contacts: Charlotte Bellon, Corporate Radiation Safety Officer, BJ Services (713-351-2578). Jon George, Service Engineer, TN Technologies (512-388-9308).

File(s): 3592

Name on File: **Northbrook Metals**, Pennsauken, NJ

Responsible Party: None

Region I General License Case Resolution Notes

Contractor Result: Status of company not known

History: New Jersey Department of the Treasury, Division of Revenue reports the "Home Jurisdiction of Northbrook Metals is Illinois. Its corporate status in New Jersey was revoked in 1985 for failure to pay taxes. It last filed a required annual report in September 1983.

Contacts: None. Agent for the company is The Corporation Trust Company, 820 Bear Tavern Road, Trenton, NJ 08628

File(s): 18503

Name on File: **Olin Corporation**, Macungie, PA

Responsible Party: Olin Corporation

Contractor Result: No Olin Corporation In Macungie; however, there is an Olin Brass Group across the street in Allentown.

History: The manufacturing facilities in question were built around 1970, the time of the gauge purchases. Olin produced Omalon brand carpet underlayment at the plant until they sold the brand and the plant to E. R. Carpenter, Richmond, Virginia probably in 1986 (the sale was announced in December 1985). The plant is still in operation.

When Carpenter moved into the facility in 1989, production equipment had been removed. Mr. Pineda, who worked for Olin at the Fogelsville plant beginning in 1977 (prior to the sale to Carpenter) believed that no such gauges were in use at the plant when he began working there.

Contacts: Sally Sharp, Olin Environmental 423-336-4723. Karen Blendowski, EHS, A. J. Oster (through Sally Sharp) 630-260-1040. Left message for Sid Lassiter of Carpenter Company (804-359-0800). Mark Tilliotson, Carpenter Company, Fogelsville, PA (610-395-0311). Fausto Pineda, Carpenter Company Technical Center, Richmond, Virginia (804-233-0606).

File(s): 642471

Name on File: **Pennex Products**, Verona, PA

Responsible Party: Rexall Sundown

Contractor Result: Company may have changed name or moved.

History: Rexall Sundown acquired Pennex Products, makers of numerous store brand over-the-counter pharmaceuticals, in 1993 to move into that market. It was largely unsuccessful and, on August 31, 1995, decided to cease operations at Pennex. The Verona facility was closed on October 31 or November 1, 1995. The manufacturer reported that the sources have not been returned (the manufacturer was not aware the plant had shut down).

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The gauge was purchased at auction by a bleach manufacturer who had purchased it for possible use on a future line. The buyer was not aware that it contained a source at the time of purchase. Currently, the buyer is deciding whether to keep the device (given the expense of annual fees, regulatory requirements, and eventual disposal) or to sell it back to Rexall for the purchase price, who would then dispose of it. The serial number of the gauge is 110113.

Ideally, Mr. Austin would like to keep the gauge without the source (although he might like partial refund in that case: I did not discuss that). I volunteered to act as intermediary to get the source to a licensed entity.

Mr. Evans will make speak to their lawyers and make arrangements to have the sources removed by a licensed contractor and sent to a licensed entity (whether Barnwell or Industrial Dynamics). He will get back to me once details are set.

Contacts: Discussed with Rick Evans, Rexall Sundown EHS 561-241-9400, x2526 (or 561-999-2526 for direct access). He is pursuing. I e-mailed him more information on the devices which were used to determine the fill level of bottles. Subsequently contacted Michelle Alvarado at Industrial Dynamics (310-257-2202) (alvarado@filtec.com) who reported the information noted above. Contacted Harry G. Austin, III, Austin's Company, P.O. Box 827, 115 Downieville Road, Mars, Pennsylvania 16046-0827, maker of store brand bleach (724-625-1535).

File(s): 643355

Name on File: **Phillifilm**, Canonsburg, PA

Responsible Party: Phillifilm

Contractor Result: Company closed.

History: The device was sent to the general licensee on June 21, 1995 and returned to the vendor during the fourth quarter of 1996. NDC disposed of the source on May 6, 1998.

Contacts: I contacted Chris Fitz of NDC Infrared Engineering (626-939-3859) who reported that the source was properly returned and the return included in the appropriate report to the NRC.

File(s): 2622

Name on File: **Raybestos Manhattan**, Stratford, CT

Responsible Party: Raymark Industries (in bankruptcy)

Contractor Result: Site is now a Superfund site.

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History: Before it closed, Raybestos Manhattan became Raymark Industries. Raymark Industries went into bankruptcy and shut down in 1982. The site was put on the NPL and the buildings were torn down under the Superfund program beginning in September 1995.

Contacts: Ron Jennings, Remedial Project Manager 617-918-1242. Henry Freedman, Environmental Enforcement Section, Department of Justice 202-514-5268. Trustee for Raymark, Laureen M. Ryan, Kahn Consulting Inc., 152 W. 57th, NY, NY 10019 212-841-9314. LaGrande Young, General Counsel, Raytech Corporation (a corporation formed in 1986 with ties to the old Raybestos but probably not connected to this site).

File(s): 622

Name on File: **REM-CRU Titanium Corporation**, Pittsburgh, PA

Responsible Party: Colt Industries(?)

Contractor Result: Provided site history which proved to be incorrect and misleading. No information on gauges.

History: Rem-Cru Titanium Corporation was a joint venture of Remington Arms Corporation and Crucible Steel Corporation begun in 1950. It was dissolved prior in December 1957 when Crucible Steel bought out Remington Arms' share. This implies the gauge in question was sold in 1957 or 1958 (the database does not appear to go back beyond that). Rem-Cru's only location was in Midland, Pennsylvania. The address on the file was probably associated with Crucible Corporation's (no longer Crucible Steel by then) headquarters which were in central Pittsburgh (the database sometimes contained the corporation's mailing address rather the gauge location). This is further evidence for the 1958 date (with the assumption that the designation Rem-Cru Titanium came from common usage and was inaccurate). Colt Industries purchased Crucible in 1968. Crucible was sold to Jones & Laughlin Steel in 1982, which was then purchased by LTV Steel. Later the plant was spun-off to a new corporation, J&L Specialty Steel in 1986 around the time LTV Steel filed for bankruptcy protection.

Our record for the case has no information about the gauge (i.e., vendor, model, isotope), so it is very unlikely that information specifically concerning the gauge can be located. The plant in Midland, Pennsylvania has been in continuous operation under Crucible Corporation, Jones & Laughlin Steel, LTV Steel, and, today, under J&L Specialty Steel.

Contacts: A representative of Crucible Research (Division of Crucible Materials Corporation) familiar with the plant through the 1980s.

File(s): 1939, 47217

Name on File: **Remington Arms Company**, Bridgeport, CT

Responsible Party: E. I. du Pont de Nemours Company

Region I General License Case Resolution Notes

Contractor Result: Plant moved to Arkansas. Status of devices unknown.

History: The plant moved to present location several years ago. They have at least one, possibly devices containing sources. Remington Arms was owned by du Pont until November, 1993 and du Pont personnel managed the decommissioning of the old site. Information on equipment and records transferred to new site in Arkansas do not refer to these gauges, indicating that they were probably already gone at the time of the move.

Contacts: Contractor and I spoke to Sammy Bates, Environmental Coordinator, Remington Arms Company, Lonoke, AR, 501-676-4185. Mr. Bates will get information on all devices with sources in plant and send it to me. Vic Rodesia 203-377-0601 of DuPont Sporting Goods said that all equipment and records were transferred to Arkansas site.

File(s): 2384, 2628

Name on File: **Scott Paper Company**, Essington, Pennsylvania

Responsible Party: Kimberly-Clark

Contractor Result: Company moved.

History: The facility was the Scott Paper Technology Center, shut down with all workers laid off in 1994, during the Al Dunlop trimming of Scott Paper. Kimberly Clark bought the company in December 1995. It sold the site to a real estate company located at 555 N. Lane, Conshohocken, PA, but prior to doing so, the Kimberly-Clark Environmental Staff inspected the building as part of due diligence. Susan Gaynor supplied records of gauges found and disposed. She is confident that if any were present during the inspection, the Environmental Staff would have identified them.

Contacts: Susan Gaynor, Kimberly-Clark Environmental (770-587-8662).

File(s): 3331

Name on File: **Sinclair-Keppers Company**, Kobuta, Pennsylvania

Responsible Party: Nova Chemicals

Contractor Result: Sinclair-Koppers, now Beazer East, sold the plant to ARCO which, in turn, sold it to Nova Chemicals.

History: The Sinclair-Koppers (not Keppers) Company, Kobuta Plant was located in Monaca, Pennsylvania. The plant's was originally (1940s) a Koppers Company synthetic rubber plant – its name, Kobuta, derived from **Koppers** and **butadiene**. The plant has been in continuous operation since built and its current owner is Nova Chemical. There is no record of any such gauges being on the site in some years.

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Contacts: Brandon Schaffer, Nova Chemical (724-774-1000).

File(s): 3678

Name on File: **Technical Metals Company**, Melvindale, MI

Responsible Party: Quality Products, Inc.

Contractor Result: None

History: Quote from Form 10-QSB for quarterly period ending December 31, 1995, filed by Quality Products, Inc., "In late fiscal 1995, . . . Technical Metals Company and QPI Consumer Products Corporation, two of the Company's subsidiaries, were being wound down and their assets were being liquidated."

Quality Products representative believes the company was sold intact (i.e., operating), but was not positive. I sent him an e-mail with the gauge description (in case it was not sold intact). A reverse address search found Mill Steel Company, a large private company headquartered in Grand Rapids, operating at the address in the file. Mill Steel confirmed that they had taken over Technical Metals and that the gauges are still in use.

Contacts: Tony Troiano, Quality Products, Inc. (813-248-4842 and ttroiano@multipress.com). John Kosminski, Plant Engineer, Mill Steel, Melvindale (616-949-1234). Steve Wilson is a more appropriate contact but either is fine.

File(s): 3649

Name on File: **Teleco Oilfield Services**, Meriden, CT

Responsible Party: Baker Hughes INTEQ

Contractor Result: Company moved to Houston under name Develco, Inc. Telephone number disconnected and reassigned.

History: Teleco Oilfield Services was purchased by Baker Hughes and became Baker Hughes INTEQ. I do not know when this happened, but Teleco applied for a new trade mark in 1991, granted in 1992 and an FY97 Department of Energy Report refers to, ". . . Teleco (now Baker/Hughes INTEQ)."

Baker Hughes INTEQ amended its specific license to include the gauges. It subsequently recycled the cesium in the gauges through Monsenco Limited. Mr. Winders faxed a copy of the letter confirming transfer.

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Contacts: Phil Stoehr 713-625-4623 of Baker Atlas said he would find the correct person at INTEQ and track down any information they had about the gauges. Burt Winders, Radiation Protection Division, Baker Hughes INTEQ (337-856-3323).

File(s): 62636

Name on File: **Therma-Systems**, Piscatway, New Jersey

Responsible Party:

Contractor Result: Provided company's new address and a contact name.

History: Between the contractor's conversation with the licensee and the present, the company apparently went out of business. The New Jersey Department of Labor web site warned of layoffs of 91 people beginning April 2, 1999. The telephone is now disconnected.

The company had two extrusion lines. One produced cup lids and the other food trays for hospitals. In the bankruptcy sale, Amhil Enterprises Ltd. of Mississauga, Ontario, a subsidiary of Wentworth Technologies Company Ltd., purchased the cup lid line. Aladdin Temp-Rite, a subsidiary of Enodis PLC (which apparently also goes by the name of Welbilt), a British company, purchased some product lines, but no equipment. Dinex International says they purchased only tooling and rights to product lines. They say the equipment to produce the plastic trays went to American Sheet Extrusion, Evansville, Indiana.

ABB Industrial Systems reported that the equipment went (improperly) to a manufacturer in Texas. The gauges were returned to ABB Industrial Systems January 4, 1994.

Contacts: Terry Durden, Engineering , Amhil Enterprises Ltd. (905-890-5261, ext. 217), Terry Johnson, Vice President, Amhil Enterprises Ltd. (905-890-5261, ext. 203), David Gordon, Engineering Manager, Aladdin Temp-Rite (800-888-8018). Terry Benjamin and Rick Runyan, Dinex International (800-523-9752, x176). Nancy Newsome at ABB Industrial Systems (614-261-2339).

File(s):3106

Name on File: **U.S. Steel Corporation**, Vandergrift, PA

Responsible Party: U.S. Steel Corporation

Contractor Result: Vandergrift Borough Hall reported facility sold to Allegheny Teledyne. Ted Brewer, Safety, Allegheny Teledyne 724-568-5224 stated that a radiation survey and check prior to Allegheny Teledyne assuming ownership found no gauges present. Address corrected.

History: See above. Dave Moniot of USS Headquarters, Environmental (412-433-5901) reported that Vandergrift was sold to Allegheny Ludlum as an operating plant; any gauges

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present would have remained in place. Allegheny Ludlum stated that their records showed no gauges in the plant. Since the gauges were originally distributed in 1960, it is very likely they were disposed of long before the sale.

Contacts: Spoke with Dave Moniot of USS Headquarters, Environmental (412-433-5901). Joe Dileo (724-845-0358), Safety Department of the Allegheny Ludlum, Vandergrift plant will look into it and call back.

File(s): 65733

Name on File: **Universal Machine**, Pottstown, Pennsylvania

Responsible Party: Avantis Pharma

Contractor Result: Provided contact at Universal Machine.

History: Universal Machine is a manufacturer of industrial equipment including bottling equipment. The devices in question were obtained on behalf of Avantis for use on a machine that was being installed in its Manati, Puerto Rico facility (called Avantis Pharma) to bottle Nasacort AQ. For some reason, the first device shipped was not acceptable and was returned (as confirmed by the vendor). The second device is in use.

Contacts: Don Scheirer, Engineer, Universal Machine (610-323-1810). Terry Mead, Head of EHS for North America Drug Product and Commercial Operations, Avantis (TerryMead@aventis.com; 816-966-3402).

File(s): 3348

Name on File: **Waterbury-Farrell**, Wallingford, Connecticut

Responsible Party: Waterbury-Farrell/Magnum Integrated Technologies, Inc.

Contractor Result: Facility closed and company moved to Canada.

History: Waterbury-Farrell was acquired by Magnum Integrated Technologies, Inc. The main manufacturing facility of the company in Cheshire (was post office, Wallingford), Connecticut was recently shut down and the company is now a sales company only and is located in Brampton, Ontario, Canada. The company has no information concerning gauges.

Contacts: _____ Sandeep (203-272-3271 or 905-455-0106, sandeep@anker-holth.com)

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