



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

May 15, 2003

MEMORANDUM TO: Kathy Dolce Modes, Health Physicist
Division of Nuclear Materials Safety

FROM: George Pangburn, Director */RA/*
Division of Nuclear Materials Safety

SUBJECT: DELEGATION OF LICENSE SIGNATURE AUTHORITY

In accordance with the authority delegated to me as the Director, Division of Nuclear Materials Safety by the October 18, 1995 memorandum from the Regional Administrator, you are hereby authorized to sign licenses for the following program codes:

Type of License	
<u>Medical (including pacemakers but excluding programs of broad scope, HDRs, and teletherapy)</u>	
02120:	Medical Institution - Limited
02121:	Medical Institution - Custom
02200:	Medical Private Practice - Limited
02201:	Medical Private Practice - Custom
02210:	Eye Applicators - Strontium-90
02220:	Mobile Nuclear Medicine Service
22160:	Pacemaker Byproduct and/or SNM - Medical Institution
22161:	Pacemaker Byproduct and/or SNM - Individual
<u>Broad Scope Medicals</u>	
02110:	Medical Institution - Broad
03235:	Incineration - non-commercial (secondary code)

Broad Scope: non-medicals

01100: Academic Type A Broad
 01110: Academic Type B Broad
 01120: Academic Type C Broad
 03211: Manufacturing and Distribution Type A Broad
 03212: Manufacturing and Distribution Type B Broad
 03213: Manufacturing and Distribution Type C Broad
 03235: Incineration - non-commercial (secondary code)
 03610: Research and Development Type A Broad
 03611: Research and Development Type B Broad
 03612: Research and Development Type C Broad
 03613: Research and Development - Multisite-Multiregional

Industrial Measuring Systems (e.g. portable and fixed gauges, gas chromatographs, analytical instruments); civil defense; self-shielded irradiators

03120: Measuring Systems - Fixed Gauges
 03121: Measuring Systems - Portable Gauges
 03122: Measuring Systems - Analytical Instruments
 03123: Measuring Systems - Gas Chromatographs
 03124: Measuring Systems - Other
 03510: Irradiators Self-Shielded Less Than 10,000 Curies
 03520: Irradiators Self-Shielded Greater Than 10,000 Curies
 03710: Civil Defense

Panoramic Irradiators

03511: Irradiators Other Less Than 10,000 Curies
 03521: Irradiators Other Greater Than 10,000 Curies

Research and Development (non-broad), in-vitro testing; type C broad-scopes; manufacturing (non-broad); unsealed SNM

01120: Academic Type C Broad
 02400: Veterinary Non-Human
 02410: In-Vitro Testing Laboratory
 03213: Manufacturing and Distribution Type C Broad
 03214: Manufacturing and Distribution Other
 03620: Research and Development Other
 22110: SNM Plutonium - Unsealed Less Than a Critical Mass
 22111: SNM U-235 and/or U-233 Less Than a Critical Mass

<u>Distribution</u>	
02511:	Medical Product Distribution - 32.72 - Prepared Pharmaceuticals
02513:	Medical Product Distribution - 32.74 - Sources and Devices
03240:	General License Distribution - 32.51
03241:	General License Distribution - 32.53
03242:	General License Distribution - 32.57
03243:	General License Distribution - 32.61
03244:	General License Distribution - 32.71
22162:	Pacemaker Byproduct and/or SNM -Manufacturing and Distribution
22170:	SNM General License Distribution
<u>Sealed Special Nuclear Material and Byproduct Material Power Sources</u>	
22120:	PuBe sources
22130:	Power Sources - Byproduct
22140:	Plutonium - Sealed Sources in Devices
22150:	Plutonium - Sealed Sources Less Than a Critical Mass
22151:	Uranium-235 and/or uranium-233 Less Than a Critical Mass
<u>Radiography</u>	
03310:	Industrial Radiography - Fixed Locations
03320:	Industrial Radiography - Temporary Job Sites
<u>Well Logging and Field Flooding</u>	
03110:	Well Logging Byproduct and/or SNM Tracer and Sealed Sources
03111:	Well Logging Byproduct and/or SNM Sealed Sources Only
03112:	Well Logging Byproduct Only - Tracers Only
03113:	Field Flooding Studies
<u>Commercial Nuclear Laundry</u>	
03218:	Nuclear Laundry
<u>Service licenses for leak test and instrument calibration</u>	
03220:	Leak Test Service Only
03221:	Instrument Calibration Service Only, Source Less Than 100 Curies
03222:	Instrument Calibration Service Only, Source Greater Than 100 Curies
<u>Other services</u>	
03225:	Other Services

<u>Decontamination services</u>	
03219:	Decontamination services
<u>Decommissioning</u>	
03900:	Decommissioning of Byproduct Material Facilities
11900:	Decommissioning of Source Material Facilities
22200:	Decommissioning of Other SNM Material Facilities
<u>Source Material: Shielding and Less than 150 kilograms Possession Only Licenses</u>	
03800:	Byproduct Material Possession Only
03810:	Byproduct Material Standby - No Operations
11200:	Source Material Other Less Than 150 Kilograms
11210:	Source Material Shielding
11800:	Source Material Possession Only
11810:	Source Material Standby - No Operations
23300:	SNM Possession Only - Other Than Reactor Fuel
23310:	SNM Possession Only - Other Than Reactor Fuel - No Operations
<u>Waste Disposal</u>	
03231:	Waste Disposal (Burial)
03232:	Waste Disposal Service - Prepackaged Only
03233:	Waste Disposal Service Incineration
03234:	Waste Disposal Service Processing and/or Repackaging
03236:	Waste Treatment Service

Justification for Delegation of Signature Authority	
Type of License	
<u>Medical (including pacemakers but excluding programs of broad scope, HDRs, and teletherapy)</u>	
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02201:	Medical Private Practice - Custom
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02220:	Mobile Nuclear Medicine Service
22160:	Pacemaker Byproduct and/or SNM - Medical Institution
22161:	Pacemaker Byproduct and/or SNM - Individual
Memorandum dated February 1, 1994	
<u>Broad Scope Medicals</u>	
02110:	Medical Institution - Broad
03235:	Incineration - non-commercial (secondary code)
These program codes involve issues of similar complexity to those currently authorized.	
<u>Broad Scope: non-medicals</u>	
01100:	Academic Type A Broad
01110:	Academic Type B Broad
01120:	Academic Type C Broad
03211:	Manufacturing and Distribution Type A Broad
03212:	Manufacturing and Distribution Type B Broad
03213:	Manufacturing and Distribution Type C Broad
03235:	Incineration - non-commercial (secondary code)
03610:	Research and Development Type A Broad
03611:	Research and Development Type B Broad
03612:	Research and Development Type C Broad
03613:	Research and Development - Multisite-Multiregional
NASA, 19-05748-02, renewal 03610	
In addition, these program codes involve issues of similar complexity to those currently authorized.	

Justification for Delegation of Signature Authority	
Type of License	
<u>Industrial Measuring Systems (e.g. portable and fixed gauges, gas chromatographs, analytical instruments); civil defense; self-shielded irradiators</u>	
03120:	Measuring Systems - Fixed Gauges
03121:	Measuring Systems - Portable Gauges
03122:	Measuring Systems - Analytical Instruments
03123:	Measuring Systems - Gas Chromatographs
03124:	Measuring Systems - Other
03510:	Irradiators Self-Shielded Less Than 10,000 Curies
03520:	Irradiators Self-Shielded Greater Than 10,000 Curies
03710:	Civil Defense
Memorandum dated February 1, 1994	
<u>Panoramic Irradiators</u>	
03511:	Irradiators Other Less Than 10,000 Curies
03521:	Irradiators Other Greater Than 10,000 Curies
NASA, 19-05748-03, renewal 03511 Fox Chase, 37-05819-07, renewal, 03521	
<u>Research and Development (non-broad), in-vitro testing; type C broad-scopes; manufacturing (non-broad); unsealed SNM</u>	
01120:	Academic Type C Broad
02400:	Veterinary Non-Human
02410:	In-Vitro Testing Laboratory
03213:	Manufacturing and Distribution Type C Broad
03214:	Manufacturing and Distribution Other
03620:	Research and Development Other
22110:	SNM Plutonium - Unsealed Less Than a Critical Mass
22111:	SNM U-235 and/or U-233 Less Than a Critical Mass
Memorandum dated February 1, 1994	

Justification for Delegation of Signature Authority	
Type of License	
<u>Distribution</u>	
02511:	Medical Product Distribution - 32.72 - Prepared Pharmaceuticals
02513:	Medical Product Distribution - 32.74 - Sources and Devices
03240:	General License Distribution - 32.51
03241:	General License Distribution - 32.53
03242:	General License Distribution - 32.57
03243:	General License Distribution - 32.61
03244:	General License Distribution - 32.71
22162:	Pacemaker Byproduct and/or SNM -Manufacturing and Distribution
22170:	SNM General License Distribution
Safety Light Corporation, 37-00030-10G, Control No. 130434, renewal Agilent Technologies, 07-28762-02G, Control No. 132262, renewal Betacontrol, 29-23394-02G, Control No. 130519, renewal Metorex, 29-30342-02G, Control No. 123705, new Barringer Instruments, 29-29620-02G, Control No. 131118, renewal	
<u>Sealed Special Nuclear Material and Byproduct Material Power Sources</u>	
22120:	PuBe sources
22130:	Power Sources - Byproduct
22140:	Plutonium - Sealed Sources in Devices
22150:	Plutonium - Sealed Sources Less Than a Critical Mass
22151:	Uranium-235 and/or uranium-233 Less Than a Critical Mass
Memorandum dated February 1, 1994	
<u>Radiography</u>	
03310:	Industrial Radiography - Fixed Locations
03320:	Industrial Radiography - Temporary Job Sites
Maryland QC Labs, 19-28683-01, Control No. 131400, renewal Megarad, new license, Control No. 130771, voided Integrated Technologies, 06-30317-01, Control No. 130141, renewal	

Justification for Delegation of Signature Authority	
Type of License	
<u>Well Logging and Field Flooding</u>	
03110:	Well Logging Byproduct and/or SNM Tracer and Sealed Sources
03111:	Well Logging Byproduct and/or SNM Sealed Sources Only
03112:	Well Logging Byproduct Only - Tracers Only
03113:	Field Flooding Studies
These program codes involve issues of similar complexity to those currently authorized.	
<u>Commercial Nuclear Laundry</u>	
03218:	Nuclear Laundry
These program codes involve issues of similar complexity to those currently authorized.	
<u>Service licenses for leak test and instrument calibration</u>	
03220:	Leak Test Service Only
03221:	Instrument Calibration Service Only, Source Less Than 100 Curies
03222:	Instrument Calibration Service Only, Source Greater Than 100 Curies
Memorandum dated February 1, 1994	
<u>Other services</u>	
03225:	Other Services
Galanek, MS and Bolton, MM, 20-13302-01, Control No. 121598, renewal Northeast Nuclear, 06-17235-02, Control No. 121564, renewal	
<u>Decontamination services</u>	
03219:	Decontamination services
This program code involves issues of similar complexity to those currently authorized.	

Justification for Delegation of Signature Authority	
Type of License	
<u>Decommissioning</u> 03900: Decommissioning of Byproduct Material Facilities 11900: Decommissioning of Source Material Facilities 22200: Decommissioning of Other SNM Material Facilities BASF, 29-07694-01, release/termination, Control Nos. 132164, 131666 Hi-Temp Specialty Metals, SMC-1584, Control No. 129926, release/termination Imaging and Sensing Technologies, SNM-1982, release/new location, Control Nos. 128933, 129260, 129390, 129729	
<u>Source Material: Shielding and Less than 150 kilograms</u> <u>Possession Only Licenses</u> 03800: Byproduct Material Possession Only 03810: Byproduct Material Standby - No Operations 11200: Source Material Other Less Than 150 Kilograms 11210: Source Material Shielding 11800: Source Material Possession Only 11810: Source Material Standby - No Operations 23300: SNM Possession Only - Other Than Reactor Fuel 23310: SNM Possession Only - Other Than Reactor Fuel - No Operations Memorandum dated February 1, 1994	
<u>Waste Disposal</u> 03231: Waste Disposal (Burial) 03232: Waste Disposal Service - Prepackaged Only 03233: Waste Disposal Service Incineration 03234: Waste Disposal Service Processing and/or Repackaging 03236: Waste Treatment Service Radiation Science, Inc, 29-30310-02, Control 130555, new Applied Health Physics, 37-14600-01, Control 122687, amendment to add procedures to open waste containers and segregate waste, voided after review	

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OFFICE	DNMS/RI	N	DNMS/RI		DNMS/RI			
NAME	E Ullrich EXU		J Kinneman JDK		G Pangburn GCP			
DATE	5/6/03		5/7/03		5/15/03			

License Signature Authorization For: K. Modes
May 15, 2003