

| Users of this list should also be aware that a list of Radioactive Waste Brokers exists in the Commercial Services Directory. That list is for facilities which dispose of radioactive materials, but they often are aware of opportunities for reuse or recycle of radioactive sources and should be consulted if you cannot find a desired service in this list. The facilities in this list may or may not dispose of radioactive sources depending on the authorized uses listed in their radioactive materials licenses. |                                  |                      |                                 |              |              |  |
|---|----------------------------------|----------------------|---------------------------------|--------------|--------------|--|
| By Device/Material <sup>2</sup>   | Firm <sup>3</sup>                | Contact <sup>4</sup> | Email                           | Phone        | Fax          |  |
| A. By Device  |                                  |                      |                                 |              |              |  |
| Aircraft counterweight (see Udep)   | Bionomics, Inc.                  | John McCormick       | jmccormick@bionomics-inc.com    | 865-220-8501 | 865-220-8532 |  |
| Aircraft counterweight (see Udep)   | Radiation Pros, LLC              | Kurt Rhea            | kurt.rhea@radpros.com           | 720-771-0200 |              |  |
| Brachytherapy sources   | Alaron Nuclear Services          |                      | www.nuclearsolutions.veolia.com | 724-535-5777 |              |  |
| Brachytherapy sources   | Bionomics, Inc.                  | John McCormick       | jmccormick@bionomics-inc.com    | 865-220-8501 | 865-220-8532 |  |
| Brachytherapy sources   | Qal-Tek & Associates             | Casey Smith          | goqta@qaltek.com                | 208-523-5557 |              |  |
| Brachytherapy sources   | Alaron Nuclear Services          |                      | www.nuclearsolutions.veolia.com | 724-535-5777 |              |  |
| Brachytherapy sources   | Radiation Pros, LLC              | Kurt Rhea            | kurt.rhea@radpros.com           | 720-771-0200 |              |  |
| Check sources, large quantity, disposal   | Alaron Nuclear Services          |                      | www.nuclearsolutions.veolia.com | 724-535-5777 |              |  |
| Check sources, large quantity, disposal   | Bionomics, Inc.                  | John McCormick       | jmccormick@bionomics-inc.com    | 865-220-8501 | 865-220-8532 |  |
| Check sources, large quantity, disposal   | NSSI                             | Gamaliel Torres      | info@nssienvironmental.com      | 713-641-0391 | 713-641-0392 |  |
| Check sources, large quantity, disposal   | Qal-Tek & Associates             | Casey Smith          | goqta@qaltek.com                | 208-523-5557 |              |  |
| Check sources, large quantity, disposal   | U.S. Ecology/Republic Services   | Hans Honerlah        | hhonerlah@republicservices.com  | 512-202-4928 |              |  |
| Check sources, large quantity, disposal   | Waste Control Specialists, LLC   | Thomas Hanna         | thanna@wcstexas.com             | 352-318-1138 |              |  |
| Check sources, large quantity, disposal   | Radiation Pros, LLC              | Kurt Rhea            | kurt.rhea@radpros.com           | 720-771-0200 |              |  |
| Check sources, Lic. exempt, for reuse   | Almac Environmental Services     | Alan McArthur        | almac@almaces.com               | 281-648-2088 |              |  |
| Check sources, Lic. exempt, for reuse   | Bionomics, Inc.                  | John McCormick       | jmccormick@bionomics-inc.com    | 865-220-8501 | 865-220-8532 |  |
| Check sources, Lic. exempt, for reuse   | Health Physics Society           | David Miller         | dwmphd@aol.com                  | 217-333-2906 |              |  |
| Check sources, Lic. exempt, for reuse   | Technical Resources Group        | Tom Clawson          | tom@trgroupinc.com              | 208-528-8895 |              |  |
| Check sources, Lic. exempt, for reuse   | Qal-Tek & Associates             | Casey Smith          | goqta@qaltek.com                | 208-523-5557 |              |  |
| Check sources, Lic. exempt, for reuse   | Radiation Pros, LLC              | Kurt Rhea            | kurt.rhea@radpros.com           | 720-771-0200 |              |  |
| Check sources, Lic. exempt, for reuse   | National Museum of Civil Defense | Nicholas Studer, MD  | director@uscivildefense.org     | 210-742-6190 |              |  |
| Civil Defense meters etc., for reuse  | Bionomics, Inc.                  | John McCormick       | jmccormick@bionomics-inc.com    | 865-220-8501 | 865-220-8532 |  |
| Civil Defense meters etc., for reuse  | Health Physics Society           | Prof. David Miller   | dwmphd@aol.com                  | 217-333-2906 |              |  |
| Civil Defense meters etc., for reuse  | Qal-Tek & Associates             | Casey Smith          | goqta@qaltek.com                | 208/523-5557 |              |  |
| Civil Defense meters etc., for reuse  | Technical Resources Group        | Tom Clawson          | tom@trgroupinc.com              | 208-528-8895 |              |  |
| Civil Defense meters etc., for reuse  | Radiation Pros, LLC              | Kurt Rhea            | kurt.rhea@radpros.com           | 720-771-0200 |              |  |
| Civil Defense meters etc., for reuse  | National Museum of Civil Defense | Nicholas Studer, MD  | director@uscivildefense.org     | 210-742-6190 |              |  |
| Dew point gauge, Ra   | (solicit brokers)                | (see footnote 3)     |                                 |              |              |  |
| Dew point gauge, Ra   | Bionomics, Inc.                  | John McCormick       | jmccormick@bionomics-inc.com    | 865-220-8501 | 865-220-8532 |  |
| DOE owned or Greater than Class C   | DOE Off-Site Recovery Program    |                      | http://osrp.lanl.gov            |              |              |  |
| DOE owned or Greater than Class C   | Bionomics, Inc.                  | John McCormick       | jmccormick@bionomics-inc.com    | 865-220-8501 | 865-220-8532 |  |
| Electron Capture device, Ni63   | Alaron Nuclear Services          |                      | www.nuclearsolutions.veolia.com | 724-535-5777 |              |  |
| Electron Capture device, Ni64   | Bionomics, Inc.                  | John McCormick       | jmccormick@bionomics-inc.com    | 865-220-8501 | 865-220-8532 |  |
| Electron capture devices, Ni-63   | Radiation Pros, LLC              | Kurt Rhea            | kurt.rhea@radpros.com           | 720-771-0200 |              |  |
| Electron capture devices, Ni-63   | NRD, LLC                         |                      | https://nrdlc.com               | 718-773-7634 |              |  |
| H3 dials  | Alaron Nuclear Services          |                      | www.nuclearsolutions.veolia.com | 724-535-5777 |              |  |
| H3 dials  | Bionomics, Inc.                  | John McCormick       | jmccormick@bionomics-inc.com    | 865-220-8501 | 865-220-8532 |  |
| H3 dials  | Qal-Tek & Associates             | Casey Smith          | goqta@qaltek.com                | 208-523-5557 |              |  |
| H3 dials  | Stocker & Yale                   | (ask Cammenga)       |                                 |              |              |  |
| H3 dials  | United Manufacturing Corp.       | (ask Cammenga)       |                                 |              |              |  |
| H3 dials  | Radiation Pros, LLC              | Kurt Rhea            | kurt.rhea@radpros.com           | 720-771-0200 |              |  |
| H3 dials, exempt disposal   | Qal-Tek & Associates             | Casey Smith          | goqta@qaltek.com                | 208-523-5557 |              |  |
| H3 dials, exempt disposal   | Bionomics, Inc.                  | John McCormick       | jmccormick@bionomics-inc.com    | 865-220-8501 | 865-220-8532 |  |
| H3 dials, exempt disposal   | Radiation Pros, LLC              | Kurt Rhea            | kurt.rhea@radpros.com           | 720-771-0200 |              |  |
| H3 exit signs   | Waste Control Specialists, LLC   | Thomas Hanna         | thanna@wcstexas.com             | 352-318-1138 |              |  |
| H3 exit signs, all manufacturers  | Forever-Lite                     | Tiffanie Henderson   | tiffaniehenderson@earthlink.net | 702-644-2070 |              |  |

| By Device/Material <sup>2</sup>        | Firm <sup>3</sup>               | Contact <sup>4</sup> | Email                            | Phone        | Fax          |
|--|---------------------------------|----------------------|----------------------------------|--------------|--------------|
| H3 exit signs, all manufacturers       | Bionomics, Inc.                 | John McCormick       | jmccormick@bionomics-inc.com     | 865/220-8501 | 865-220-8532 |
| H3 exit signs, all manufacturers       | Qal-Tek & Associates            | Casey Smith          | goqta@qaltek.com                 | 208-523-5557 |              |
| H3 exit signs, all manufacturers       | Radiation Pros, LLC             | Kurt Rhea            | kurt.rhea@radpros.com            | 720-771-0200 |              |
| H3 exit signs, exempt disposal         | SRB Technologies (all brands)   | Ralph Williams       | ralph@srbtechnologies.com        | 800-552-0098 | 336-768-7720 |
| H3 exit signs, exempt disposal         | Radiation Pros, LLC             | Kurt Rhea            | kurt.rhea@radpros.com            | 720-771-0200 |              |
| H3 items, exempt disposal              | Waste Control Specialists, LLC  | Thomas Hanna         | thanna@wcstexas.com              | 352-318-1138 |              |
| H3 lighted watch, compass              | Waste Control Specialists, LLC  | Thomas Hanna         | thanna@wcstexas.com              | 352-318-1138 |              |
| H3 lighted watch, compass              | Radiation Pros, LLC             | Kurt Rhea            | kurt.rhea@radpros.com            | 720-771-0200 |              |
| H3 lights                              | Cammenga Co                     |                      | info@cammenga.com                | 313-914-7160 |              |
| H3 lights                              | Bionomics, Inc.                 | John McCormick       | jmccormick@bionomics-inc.com     | 865-220-8501 | 865-220-8532 |
| H3 lights                              | Best Lighting (to Forever-Lite) |                      |                                  | 702/644-2070 |              |
| H3 lights                              | Emerg-Light (ask Isolite)       |                      |                                  |              |              |
| H3 lights                              | Evenlite                        | (ask Isolite)        |                                  | 215-244-4204 |              |
| H3 lights                              | Exit Lighting Products          | (to Forever-Lite)    |                                  |              |              |
| H3 lights                              | Isolite (accepts all brands)    | Christen Martin      | cmartin@isolite.com              | 610-647-8200 | 610-296-8952 |
| H3 lights                              | M.B. Microtek                   | (try Isolite or SRB) |                                  |              |              |
| H3 lights                              | M.F. Physics                    | (ask Thermolectron)  |                                  |              |              |
| H3 lights                              | NRD, LLC                        |                      | https://nrdllc.com               | 718-773-7634 |              |
| H3 lights                              | Safety-Light (was U.S. Radium)  | (to Isolite)         |                                  |              |              |
| H3 lights                              | Self-Powered Lighting           | (to Isolite)         |                                  | 800-777-9399 | 484-595-9130 |
| H3 lights                              | Sign-Tex                        | Joe Hegarty          | jhegarty@signtexinc.com          | 410-827-8866 |              |
| H3 lights                              | Radiation Pros, LLC             | Kurt Rhea            | kurt.rhea@radpros.com            | 720-771-0200 |              |
| H3 n-generators                        | Symbolic Displays               |                      | info@symbolicdisplays.com        | 714-258-2811 |              |
| H3 n-generators                        | Bionomics, Inc.                 | John McCormick       | jmccormick@bionomics-inc.com     | 865-220-8501 | 865-220-8532 |
| H3 n-generators                        | Radiation Pros, LLC             | Kurt Rhea            | kurt.rhea@radpros.com            | 720-771-0200 |              |
| H3 static meters                       | Radiation Pros, LLC             | Kurt Rhea            | kurt.rhea@radpros.com            | 720-771-0200 |              |
| Industrial gauges, any manufacturer    | Bionomics, Inc.                 | John McCormick       | jmccormick@bionomics-inc.com     | 865-220-8501 | 865-220-8532 |
| Industrial gauges, any manufacturer    | Alaron Nuclear Services         |                      | www.nuclearsolutions.veolia.com  | 724-535-5777 |              |
| Industrial gauges, any manufacturer    | Qal-Tek & Associates            | Casey Smith          | goqta@qaltek.com                 | 208-523-5557 |              |
| Industrial gauges, any manufacturer    | Radiation Pros, LLC             | Kurt Rhea            | kurt.rhea@radpros.com            | 720-771-0200 |              |
| Industrial radiography devices, Ir, Co | QSA-Global                      | Patrick O'Sullivan   | patrick.osullivan@qsa-global.com | 225-751-5893 |              |
| Industrial radiography devices, Ir, Co | Bionomics, Inc.                 | John McCormick       | jmccormick@bionomics-inc.com     | 865-220-8501 | 865-220-8532 |
| Industrial radiography devices, Ir, Co | Qal-Tek & Associates            | Casey Smith          | goqta@qaltek.com                 | 208-523-5557 |              |
| Industrial radiography devices, Ir, Co | SPEC                            | Don Dicharry         | www.spec150.com                  | 504-467-7685 |              |
| Industrial radiography devices, Ir, Co | Radiation Pros, LLC             | Kurt Rhea            | kurt.rhea@radpros.com            | 720-771-0200 |              |
| Industrial radiography sources         | QSA-Global                      | Patrick O'Sullivan   | patrick.osullivan@qsa-global.com | 225-751-5893 |              |
| Industrial radiography sources         | Qal-Tek & Associates            | Casey Smith          | goqta@qaltek.com                 | 208-523-5557 |              |
| Lead paint detector                    | QSA-Global                      | Patrick O'Sullivan   | patrick.osullivan@qsa-global.com | 225-751-5893 |              |
| Lead paint detector                    | Bionomics, Inc.                 | John McCormick       | jmccormick@bionomics-inc.com     | 865-220-8501 | 865-220-8532 |
| Lead paint detector                    | Radiation Pros, LLC             | Kurt Rhea            | kurt.rhea@radpros.com            | 720-771-0200 |              |
| Moisture gauges, AmBe-Cs               | try the Mfr., also brokers      | (see footnote 2)     |                                  | 919-278-7463 | 919-833-5283 |
| Moisture gauges, AmBe-Cs               | Bionomics, Inc.                 | John McCormick       | jmccormick@bionomics-inc.com     | 865-220-8501 | 865-220-8532 |
| Moisture gauges, AmBe-Cs               | Humboldt Scientific             | Mahir Al-Nadaf       | mahir@humboldtmtfg.com           | 208-524-8470 |              |
| Moisture gauges, AmBe-Cs or RaBe       | Qal-Tek Associates              | Casey Smith          | goqta@qaltek.com                 | 208-523-5557 |              |
| Moisture gauges, AmBe-Cs or RaBe       | Troxler                         | Brady Wickham        | bwickham@troxlerlabs.com         | 919-819-0890 |              |
| Moisture gauges, AmBe-Cs or RaBe       | Radiation Pros, LLC             | Kurt Rhea            | kurt.rhea@radpros.com            | 720-771-0200 |              |
| Moisture gauges, RaBe                  | CPN International               | Alicia Christman     | sales@cpn-intl.com               |              |              |
| Moisture gauges, RaBe                  | Bionomics, Inc.                 | John McCormick       | jmccormick@bionomics-inc.com     | 865-220-8501 | 865-220-8532 |
| Optical glass                          | Seaman Nuclear                  | Scott Seaman         | info@seamannuclear.com           | 432-525-8904 | 432-525-8650 |
| Optical glass                          | Bionomics, Inc.                 | John McCormick       | jmccormick@bionomics-inc.com     | 865-220-8501 | 865-220-8532 |
| Optical lens                           | Waste Control Specialists, LLC  | Thomas Hanna         | thanna@wcstexas.com              | 352-318-1138 |              |
| Optical lens                           | Radiation Pros, LLC             | Kurt Rhea            | kurt.rhea@radpros.com            | 720-771-0200 |              |

| By Device/Material <sup>2</sup>  | Firm <sup>3</sup>                 | Contact <sup>4</sup>     | Email                            | Phone        | Fax          |
|--|-----------------------------------|--------------------------|----------------------------------|--------------|--------------|
| Ra-226 devices   | (see By Material / Optical glass) |                          |                                  | 512-761-3822 | 502-227-7862 |
| Ra-226, RaBe, sealed sources devices <sup>5</sup>                      | CRCPD                             | Russ Meyer               | rmeyer@crcpd.org                 | 208-523-5557 |              |
| Ra-226, RaBe, sealed sources devices                                   | Qal-Tek & Associates              | Casey Smith              | goqta@qaltek.com                 | 208-523-5557 |              |
| Ra-226, RaBe, sealed sources devices                                   | Bionomics, Inc.                   | John McCormick           | jmccormick@bionomics-inc.com     | 865-220-8501 | 865-220-8532 |
| Ra-226, RaBe, sealed sources devices                                   | Radiation Pros, LLC               | Kurt Rhea                | kurt.rhea@radpros.com            | 720-771-0200 |              |
| Rad. meters, Exmt. check sources                                       | Thorenco Medical Isotopes         | Charles S "Rusty" Holden |                                  | 415-398-7878 |              |
| Rad. meters, Exmt. check sources                                       | Bionomics, Inc.                   | John McCormick           | jmccormick@bionomics-inc.com     | 865/220-8501 | 865-220-8532 |
| Rad. meters, Exmt. check sources                                       | Health Physics Society            | David Miller             | dwmphd@aol.com                   | 217-333-2906 |              |
| Rad. meters, Exmt. check sources                                       | Radiation Pros, LLC               | Kurt Rhea                | kurt.rhea@radpros.com            | 720-771-0200 |              |
| Rad. meters, Exmt. check sources                                       | National Museum of Civil Defense  | Nicholas Studer, MD      | director@uscivildefense.org      | 210-742-6190 |              |
| Smoke detectors, Am & Cerb-Pyro.                                       | Technical Resources Group         | Tom Clawson              | tom@trgroup.com                  | 208-528-8895 |              |
| Ra Siemens, Cerberus,  | Pytronics                         | Harry Lee                |                                  |              |              |
| Smoke detectors, large quantity, exempt, disposal                      | NRD, LLC                          |                          | https://nrdlc.com                | 718-773-7634 |              |
| Smoke detectors, large quantity, exempt, disposal                      | Bionomics, Inc.                   | John McCormick           | jmccormick@bionomics-inc.com     | 865-220-8501 | 865-220-8532 |
| Smoke detectors, large quantity, exempt, disposal                      | Qal-Tek & Associates              | Casey Smith              | goqta@qaltek.com                 | 208-523-5557 |              |
| Smoke detectors, large quantity, exempt, disposal                      | Radiation Pros, LLC               | Kurt Rhea                | kurt.rhea@radpros.com            | 720-771-0200 |              |
| Smoke detectors, large quantity  | Waste Control Specialists, LLC    | Thomas Hanna             | thanna@wcstexas.com              | 352-318-1138 |              |
| Smoke detectors, large quantity  | Bionomics, Inc.                   | John McCormick           | jmccormick@bionomics-inc.com     | 865-220-8501 | 865-220-8532 |
| Smoke detectors, large quantity  | Radiation Pros, LLC               | Kurt Rhea                | kurt.rhea@radpros.com            | 720-771-0200 |              |
| X-ray Fluorescence device  | U.S. Ecology/Republic Services    | Hans Honerlah            | hhonerlah@republicservices.com   | 512-202-4928 |              |
| Smoke alarms for recycling, any manufacturer, Am-241, Ra-226 and Ni-63 | try the Mfr., also brokers        | (footnotes 2 & 3)        |                                  | 505-888-9392 |              |
| Smoke alarms for recycling, any manufacturer, Am-241, Ra-226 and Ni-64 | Curie Environmental Services      | Scott Logan              | scott.logan@curieservices.com    |              |              |
| Smoke alarms for recycling, any manufacturer, Am-241, Ra-226 and Ni-65 | Radiation Pros, LLC               | Kurt Rhea                | kurt.rhea@radpros.com            | 720-771-0200 |              |
| All listed devices   | NAC Philotechnics                 | Mike Miller              | mmiller@nacphilco.com            | 724-480-7592 |              |
|  |                                   |                          |                                  |              |              |
| B) By Material   |                                   |                          |                                  |              |              |
|  |                                   |                          |                                  |              |              |
| Ac-227   | Bionomics, Inc.                   | John McCormick           | jmccormick@bionomics-inc.com     | 865-220-8501 | 865-220-8532 |
| Ac-227   | Radiation Pros, LLC               | Kurt Rhea                | kurt.rhea@radpros.com            | 720-771-0200 |              |
| Am-241 & AmBe  | Oak Ridge National Lab            | Chuck Alexander          | alexandercw@ornl.gov             | 865-576-6312 |              |
| Am-241 & AmBe  | Bionomics, Inc.                   | John McCormick           | jmccormick@bionomics-inc.com     | 865-220-8501 | 865-220-8532 |
| Am-241 & AmBe  | QSA-Global                        | Patrick O'Sullivan       | patrick.osullivan@qsa-global.com | 225-751-5893 |              |
| Am-241 & AmBe  | Radiation Pros, LLC               | Kurt Rhea                | kurt.rhea@radpros.com            | 720-771-0200 |              |
| Am-241 & AmBe  | Qal-Tek & Associates              | Casey Smith              | goqta@qaltek.com                 | 208-523-5557 |              |
| Am-241 foils   | J.L. Shepherd                     | Mary Shepherd            | sales@jlshepherd.com             |              |              |
| Am-241 foils   | Bionomics, Inc.                   | John McCormick           | jmccormick@bionomics-inc.com     | 865-220-8501 | 865-220-8532 |
| Am-241 in NRD device   | see Smoke detectors               |                          |                                  |              |              |
| Am-241, AmBe, AmLi etc.  | NRD, LLC                          |                          | https://nrdlc.com                | 718-773-7634 |              |
| Am-241, AmBe, AmLi etc.  | Radiation Pros, LLC               | Kurt Rhea                | kurt.rhea@radpros.com            | 720-771-0200 |              |
| AmBe >1 Ci   | DOE Off-Site Recovery Program     |                          | http://osrp.lanl.gov             |              |              |
| Bi-207, 208  | NSSI                              | Gamaliel Torres          | info@nnsienvironmental.com       | 713-641-0391 | 713-641-0392 |
| Cd-109, e.g XRF source   | Alaron Nuclear Services           |                          | www.nuclearsolutions.veolia.com  | 724-535-5777 |              |
| Cd-109, e.g XRF source   | Bionomics, Inc.                   | John McCormick           | jmccormick@bionomics-inc.com     | 865-220-8501 | 865-220-8532 |
| Cd-109, e.g XRF source   | Oak Ridge National Lab            | Chuck Alexander          | alexandercw@ornl.gov             | 865-576-6312 |              |
| Cd-109, e.g XRF source   | Qal-Tek & Associates              | Casey Smith              | goqta@qaltek.com                 | 208-523-5557 |              |
| Cd-109, e.g XRF source   | Radiation Pros, LLC               | Kurt Rhea                | kurt.rhea@radpros.com            | 720-771-0200 |              |
| Cf   | QSA-Global                        | Patrick O'Sullivan       | patrick.osullivan@qsa-global.com | 225-751-5893 |              |
| Cf   | Bionomics, Inc.                   | John McCormick           | jmccormick@bionomics-inc.com     | 865-220-8501 | 865-220-8532 |

| By Device/Material <sup>2</sup>             | Firm <sup>3</sup>                 | Contact <sup>4</sup> | Email  | Phone        | Fax          |
|---|-----------------------------------|----------------------|--|--------------|--------------|
| Cf  | DOE Off-Site Recovery Program     |                      | <a href="http://osrp.lanl.gov">http://osrp.lanl.gov</a>                                |              |              |
| Cf  | QSA-Global                        | Patrick O'Sullivan   | <a href="mailto:patrick.osullivan@qsa-global.com">patrick.osullivan@qsa-global.com</a> | 225-751-5893 |              |
| Cf  | Radiation Pros, LLC               | Kurt Rhea            | <a href="mailto:kurt.rhea@radpros.com">kurt.rhea@radpros.com</a>                       | 720-771-0200 |              |
| Cf, U.S. Mfg., Pd alloy or Cermet           | Qal-Tek & Associates              | Casey Smith          | <a href="mailto:goqta@qaltek.com">goqta@qaltek.com</a>                                 | 208-523-5557 |              |
| Cf-250 & 252, Cm-244                        | Frontier Technology               | Edward Janzow        | <a href="mailto:info@frontier-cf252.com">info@frontier-cf252.com</a>                   | 937-376-5691 |              |
| Cf-250 & 252, Cm-244                        | Oak Ridge National Lab            | Chuck Alexander      | <a href="mailto:alexandercw@ornl.gov">alexandercw@ornl.gov</a>                         | 865-576-6312 |              |
| Chemicals, diverse, incl. U & Th            | QSA-Global                        | Patrick O'Sullivan   | <a href="mailto:patrick.osullivan@qsa-global.com">patrick.osullivan@qsa-global.com</a> | 225-751-5893 | 804-403-6049 |
| Cm  | Chemsavers                        | Anita Moseley        | <a href="mailto:info@chemsavers.com">info@chemsavers.com</a>                           |              |              |
| Cm  | DOE Off-Site Recovery Program     |                      | <a href="http://osrp.lanl.gov">http://osrp.lanl.gov</a>                                |              |              |
| Cm  | QSA-Global                        | Patrick O'Sullivan   | <a href="mailto:patrick.osullivan@qsa-global.com">patrick.osullivan@qsa-global.com</a> | 225-751-5893 |              |
| Co-57                                       | Qal-Tek & Associates              | Casey Smith          | <a href="mailto:goqta@qaltek.com">goqta@qaltek.com</a>                                 | 208-523-5557 |              |
| Co-57                                       | QSA-Global                        | Patrick O'Sullivan   | <a href="mailto:patrick.osullivan@qsa-global.com">patrick.osullivan@qsa-global.com</a> | 225-751-5893 |              |
| Co-57                                       | Radiation Pros, LLC               | Kurt Rhea            | <a href="mailto:kurt.rhea@radpros.com">kurt.rhea@radpros.com</a>                       | 720-771-0200 |              |
| Co-60                                       | Qal-Tek & Associates              | Casey Smith          | <a href="mailto:goqta@qaltek.com">goqta@qaltek.com</a>                                 | 208-523-5557 |              |
| Co-60                                       | Bionomics, Inc.                   | John McCormick       | <a href="mailto:jmccormick@bionomics-inc.com">jmccormick@bionomics-inc.com</a>         | 865-220-8501 | 865-220-8532 |
| Co-60                                       | Radiation Pros, LLC               | Kurt Rhea            | <a href="mailto:kurt.rhea@radpros.com">kurt.rhea@radpros.com</a>                       | 720-771-0200 |              |
| Co-60 >50 Ci/g & >>1 Ci                     | QSA-Global                        | Patrick O'Sullivan   | <a href="mailto:patrick.osullivan@qsa-global.com">patrick.osullivan@qsa-global.com</a> | 225-751-5893 |              |
| Co-60 or Cs-137                             | International Isotopes            | John Miller          | <a href="mailto:jjmiller@intisoid.com">jjmiller@intisoid.com</a>                       | 208-524-5300 |              |
| Co-60 or Cs-137                             | Bionomics, Inc.                   | John McCormick       | <a href="mailto:jmccormick@bionomics-inc.com">jmccormick@bionomics-inc.com</a>         | 865-220-8501 | 865-220-8532 |
| Cs-137 1-10 Ci, doubly encapsulated         | DOE Off-Site Recovery Program     |                      | <a href="http://osrp.lanl.gov">http://osrp.lanl.gov</a>                                |              |              |
| Cs-137 1-10 Ci, doubly encapsulated         | Bionomics, Inc.                   | John McCormick       | <a href="mailto:jmccormick@bionomics-inc.com">jmccormick@bionomics-inc.com</a>         | 865-220-8501 | 865-220-8532 |
| Cs-137 1-10 Ci, doubly encapsulated         | International Isotopes            | John Miller          | <a href="mailto:jjmiller@intisoid.com">jjmiller@intisoid.com</a>                       | 208-524-5300 |              |
| Cs-137 1-10 Ci, doubly encapsulated         | Qualtek & Associates              | Casey Smith          | <a href="mailto:goqta@qaltek.com">goqta@qaltek.com</a>                                 | 208-523-5557 |              |
| H3, all devices and compounds               | QSA-Global                        | Patrick O'Sullivan   | <a href="mailto:patrick.osullivan@qsa-global.com">patrick.osullivan@qsa-global.com</a> | 225-751-5893 |              |
| H3, all devices and compounds               | Radiation Pros, LLC               | Kurt Rhea            | <a href="mailto:kurt.rhea@radpros.com">kurt.rhea@radpros.com</a>                       | 720-771-0200 |              |
| H3, all devices and compounds               | Bionomics, Inc.                   | John McCormick       | <a href="mailto:jmccormick@bionomics-inc.com">jmccormick@bionomics-inc.com</a>         | 865-220-8501 | 865-220-8532 |
| H3, multi-kCi                               | NSSI                              | Gamaliel Torres      | <a href="mailto:info@nssienviromental.com">info@nssienviromental.com</a>               | 713-641-0391 | 713-641-0392 |
| Ir-192                                      | Bionomics, Inc.                   | John McCormick       | <a href="mailto:jmccormick@bionomics-inc.com">jmccormick@bionomics-inc.com</a>         | 865-220-8501 | 865-220-8532 |
| Ir-192                                      | (see By Device, Indust. Radiogr.) | (and register)       | <a href="http://osrp.lanl.gov">http://osrp.lanl.gov</a>                                |              |              |
| Ir-192                                      | Radiation Pros, LLC               | Kurt Rhea            | <a href="mailto:kurt.rhea@radpros.com">kurt.rhea@radpros.com</a>                       | 720-771-0200 |              |
| K061(rad) incident related, exempt disposal | QSA-Global                        | Patrick O'Sullivan   | <a href="mailto:patrick.osullivan@qsa-global.com">patrick.osullivan@qsa-global.com</a> | 225-751-5893 |              |
| K061(rad) incident related, exempt disposal | Bionomics, Inc.                   | John McCormick       | <a href="mailto:jmccormick@bionomics-inc.com">jmccormick@bionomics-inc.com</a>         | 865-220-8501 | 865-220-8532 |
| K061(rad) incident related, exempt disposal | Radiation Pros, LLC               | Kurt Rhea            | <a href="mailto:kurt.rhea@radpros.com">kurt.rhea@radpros.com</a>                       | 720-771-0200 |              |
| Kr-85                                       | Waste Control Specialists, LLC    | Thomas Hanna         | <a href="mailto:thanna@wcstexas.com">thanna@wcstexas.com</a>                           | 352-318-1138 |              |
| Kr-85                                       | Bionomics, Inc.                   | John McCormick       | <a href="mailto:jmccormick@bionomics-inc.com">jmccormick@bionomics-inc.com</a>         | 865-220-8501 | 865-220-8532 |
| Kr-85                                       | QSA-Global                        | Patrick O'Sullivan   | <a href="mailto:patrick.osullivan@qsa-global.com">patrick.osullivan@qsa-global.com</a> | 225-751-5893 |              |
| Kr-85                                       | Radiation Pros, LLC               | Kurt Rhea            | <a href="mailto:kurt.rhea@radpros.com">kurt.rhea@radpros.com</a>                       | 720-771-0200 |              |
| Kr-85                                       | Qual-X                            | Russ Mahon           | <a href="mailto:russ.m@qual-x.com">russ.m@qual-x.com</a>                               | 828-774-5620 |              |
| Lead and other metals                       | Qal-Tek Associates                | Casey Smith          | <a href="mailto:goqta@qaltek.com">goqta@qaltek.com</a>                                 | 208-523-5557 |              |
| Lead and other metals                       | Radiation Pros, LLC               | Kurt Rhea            | <a href="mailto:kurt.rhea@radpros.com">kurt.rhea@radpros.com</a>                       | 720-771-0200 |              |
| Lead shields and safes                      | NSSI                              | Gamaliel Torres      | <a href="mailto:info@nssienviromental.com">info@nssienviromental.com</a>               | 713-641-0391 | 713-641-0392 |
| Metals, large equipment                     | Radiation Product Design          | Howard Larson        | <a href="mailto:howardd@rpdinc.com">howardd@rpdinc.com</a>                             | 763-497-2071 | 763-497-2295 |
| Metals: lead, Udep, others                  | Energy Solutions (Duratek)        | Ed Kolski            | <a href="mailto:ekolski@energysolutions.com">ekolski@energysolutions.com</a>           | 423-368-5683 |              |
| Metals: steels, Udep>10 tons, not plated    | Toxco                             |                      | <a href="mailto:info@tmcc-radwaste.com">info@tmcc-radwaste.com</a>                     | 865-482-5532 | 865-482-5605 |
| Metals: Udep, steel, lead, aluminum         | Manufacturing Sciences Corp.      |                      | <a href="mailto:info@mfgsci.com">info@mfgsci.com</a>                                   | 865-481-0455 | 865-481-3142 |
| Metals: Udep, steel, lead, aluminum         | Alaron Nuclear Services           |                      | <a href="http://www.nuclearsolutions.veolia.com">www.nuclearsolutions.veolia.com</a>   | 724-535-5777 |              |
| Metals: Udep, steel, lead, aluminum         | Radiation Pros, LLC               | Kurt Rhea            | <a href="mailto:kurt.rhea@radpros.com">kurt.rhea@radpros.com</a>                       | 720-771-0200 |              |
| Ni-63 source or device                      | Alaron Nuclear Services           |                      | <a href="http://www.nuclearsolutions.veolia.com">www.nuclearsolutions.veolia.com</a>   | 724-535-5777 |              |
| Ni-63 source or device                      | Bionomics, Inc.                   | John McCormick       | <a href="mailto:jmccormick@bionomics-inc.com">jmccormick@bionomics-inc.com</a>         | 865-220-8501 | 865-220-8532 |
| Ni-63 source or device                      | NRD, LLC                          |                      | <a href="https://nrllc.com">https://nrllc.com</a>                                      | 718-773-7634 |              |
| Ni-63 source or device                      | Qal-Tek & Associates              | Casey Smith          | <a href="mailto:goqta@qaltek.com">goqta@qaltek.com</a>                                 | 208-523-5557 |              |

| By Device/Material <sup>2</sup>               | Firm <sup>3</sup>                 | Contact <sup>4</sup>   | Email                            | Phone        | Fax          |
|---|-----------------------------------|------------------------|----------------------------------|--------------|--------------|
| Ni-63 source or device                        | Radiation Pros, LLC               | Kurt Rhea              | kurt.rhea@radpros.com            | 720-771-0200 |              |
| Optical glass: Th, U etc.                     | QSA-Global                        | Patrick O'Sullivan     | patrick.osullivan@qsa-global.com | 225-751-5893 |              |
| Optical glass: Th, U etc.                     | Bionomics, Inc.                   | John McCormick         | jmccormick@bionomics-inc.com     | 865-220-8501 | 865-220-8532 |
| Optical glass: Th, U etc.                     | Radiation Pros, LLC               | Kurt Rhea              | kurt.rhea@radpros.com            | 720-771-0200 |              |
| Pa-231  | U.S. Ecology/Republic Services    | Hans Honerlah          | hhonerlah@republicservices.com   | 512-202-4928 |              |
| Pb-210 & Po-210                               | Oak Ridge National Laboratory     | Chuck Alexander        | alexandercw@ornl.gov             | 865-576-6312 |              |
| Pb-210 & Po-210                               | Radiation Pros, LLC               | Kurt Rhea              | kurt.rhea@radpros.com            | 720-771-0200 |              |
| Po-210 in NRD device                          | NRD, LLC                          |                        | https://nrdlc.com                | 718-773-7634 |              |
| Pu, PuBe, PuLi etc.                           | DOE Off-Site Recovery Program     |                        | http://osrp.lanl.gov             |              |              |
| Ra-226 device or salt                         | (notify CRCPD)                    | Russ Meyer             | rmeyer@crcpd.org                 | 512-761-3822 |              |
| Ra-226 sealed source or device                | (notify CRCPD)                    | Russ Meyer             | rmeyer@crcpd.org                 | 512-761-3822 |              |
| Ra-226 sealed source or device                | Bionomics, Inc.                   | John McCormick         | jmccormick@bionomics-inc.com     | 865-220-8501 |              |
| Ra-226, Ra/Be, sealed sources, devices        | Qal-Tek Associates                | Casey Smith            | goqta@qaltek.com                 | 208-523-5557 |              |
| Ra-226, Ra/Be, sealed sources, devices        | Bionomics, Inc.                   | John McCormick         | jmccormick@bionomics-inc.com     | 865-220-8501 | 865-220-8532 |
| Radium dial                                   | Thorenco Medical Isotopes         | Charles "Rusty" Holden |                                  | 415-398-7878 |              |
| Rare Earth compounds&alloys, exempt, disposal | (solicit brokers)                 | (see footnote 3)       |                                  | 432-525-8904 |              |
| Se-75   | Bionomics, Inc.                   | John McCormick         | jmccormick@bionomics-inc.com     | 865-220-8501 | 865-220-8532 |
| Se-75   | Waste Control Specialists, LLC    | Thomas Hanna           | thanna@wcstexas.com              | 352-318-1138 |              |
| Sr-90-RTG's only                              | DOE Off-Site Recovery Program     |                        | http://osrp.lanl.gov             |              |              |
| Tc-99   | Oak Ridge National Laboratory     | Chuck Alexander        | alexandercw@ornl.gov             | 865-576-6312 |              |
| Th & U compounds & alloys, exempt             | Bionomics, Inc.                   | John McCormick         | jmccormick@bionomics-inc.com     | 865-220-8501 |              |
| Th & U compounds & alloys, exempt             | U.S. Ecology/Republic Services    | Hans Honerlah          | hhonerlah@republicservices.com   | 512-202-4928 |              |
| Th & U compounds & alloys, exempt             | Radiation Pros, LLC               | Kurt Rhea              | kurt.rhea@radpros.com            | 720-771-0200 |              |
| Th & U compounds or Th metal, recycle         | Waste Control Specialists, LLC    | Thomas Hanna           | thanna@wcstexas.com              | 352-318-1138 |              |
| Th & U compounds or Th metal, recycle         | Oak Ridge National Lab            | Chuck Alexander        | alexandercw@ornl.gov             | 865-576-6312 |              |
| Th alloys and compounds                       | NYU Medical Center                | Wayne Mosley           | wmosleychemist@msn.com           |              |              |
| Th-228 & 229                                  | (waste brokers)                   | (see footnote 3)       |                                  | 865-576-6312 |              |
| Th-228, however little activity               | Oak Ridge National Lab            | Chuck Alexander        | alexandercw@ornl.gov             | 865-576-6312 |              |
| U compounds (no Th)                           | Waste Control Specialists, LLC    | Thomas Hanna           | thanna@wcstexas.com              | 352-318-1138 |              |
| U-232, 234 or 236                             | International Bio-Analytical Ind. |                        | www.ibilabs.com                  | 561-826-0061 | 561-892-8450 |
| Udep  | Oak Ridge National Lab            | Chuck Alexander        | alexandercw@ornl.gov             | 865-576-6312 |              |
| Udep  | Bionomics, Inc.                   | John McCormick         | jmccormick@bionomics-inc.com     | 865-220-8501 | 865-220-8532 |
| Udep & Unat, exempt, large quantity           | (solicit brokers)                 | (see footnote 3)       |                                  | 208-331-8400 |              |
| Udep & Unat, exempt, large quantity           | Bionomics, Inc.                   | John McCormick         | jmccormick@bionomics-inc.com     | 865-220-8501 | 865-220-8532 |
| Udep & Unat, exempt, large quantity           | U.S. Ecology/Republic Services    | Hans Honerlah          | hhonerlah@republicservices.com   | 512-202-4928 |              |
| Udep & Unat, exempt, large quantity           | Waste Control Specialists, LLC    | Thomas Hanna           | thanna@wcstexas.com              | 352-318-1138 |              |
| Udep & Unat, exempt, large quantity           | Radiation Pros, LLC               | Kurt Rhea              | kurt.rhea@radpros.com            | 720-771-0200 |              |
| All listed materials                          | NAC Philotechnics                 | Mike Miller            | mmiller@nacphilo.com             | 724-480-7592 |              |

1) The DOE Off-Site Recovery Project requests owners to register all radioactive sources, noting whether in use or unwanted. Sources may be registered at <https://osrp.lanl.gov/PickUpSources.aspx>

2) For additional information regarding a specific material, device or manufacturer, contact Michael Snee 502-545-6679, msnee@crcpd.org.

3) US Department of Transportation regulations require that a shipper qualified to classify, package and appropriately describe a radioactive material perform these tasks for any shipment of a radioactive material. Radioactive waste brokers are qualified to perform these tasks. A list of brokers is given on the CRCPD's home page <https://crcpd.org/document/radioactive-waste-broker-decontamination-services/>

4) When requesting assistance or other service regarding the disposition of radioactive material, please provide by e-mail or fax the nuclide, activity, date of assay, type of material or device, manufacturer, model number, serial number if available, and whether or not the radiation source is special form.

5) Seeking information on the availability of Ra-226 for production of short-lived, alpha emitting radionuclides for use in cancer therapy. Not currently licensed.

