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Revision History.....

REVISION HISTORY

Revision Number	Revision Date	Revised By	Description of Change
00	2019-07-12	Charles Cherrito	Initial plan creation and implementation.
01	2019-12-05	Charles Cherrito	Updated waste transporter to MSE Group.
02	2021-01-21	Charles Cherrito	Periodic review.
03	2021-05-26	Charles Cherrito	Periodic review. Updated vendor pick-up locations.
04	2022-03-14	Charles Cherrito	Annual Review. Updated third-party

INTRODUCTION

PROCEDURE FOR CONTAINMENT & IDENTIFICATION OF BMW

Filled red BMW bags and filled sharps containers will be sealed at the point of origin. After sealed, they are not to be reopened. Ruptured or leaking containers of biomedical waste should be placed in a larger container without disturbing the original seal. All packages containing biomedical waste shall be visibly marked with the international biological hazard symbol and one of the following phrases: "BIOMEDICAL WASTE", "BIOHAZARD", "INFECTIOUS WASTE", or "INFECTIOUS SUBSTANCE". The symbol will be red, orange, or black and the background color shall contrast with that of the symbol or comply with OSHA's Bloodborne Pathogens Standard.

BMW red bags must also exhibit the following physical properties:

- The international biological hazard symbol must be at least six inches in diameter on bags 19"x14" or larger, and at least one inch in diameter on bags smaller than 19" x 14".
- Impact resistance of 165 grams and tearing resistance of 480 grams in both the parallel and perpendicular planes with respect to the length of the bag.
- Incidental sum concentration of lead, mercury, hexavalent chromium, and cadmium will be no greater than 100ppm for dyes used in the coloration of red bags.

Additional Requirements:

- All sharps are required to be disposed of into leak proof, puncture-resistant containers;
- All non-sharp BMW shall be disposed of in red, impermeable bags.

SPECIAL NOTE

A sharps container is considered full when materials placed into it reach the designated fill line, or, if a fill line is not present, when the container is filled to the top. The container shall be sealed and labeled as follows: (a) (b) (c) (d) (e) (f) (g) (h) (i) (j) (k) (l) (m) (n) (o) (p) (q) (r) (s) (t) (u) (v) (w) (x) (y) (z) (aa) (ab) (ac) (ad) (ae) (af) (ag) (ah) (ai) (aj) (ak) (al) (am) (an) (ao) (ap) (aq) (ar) (as) (at) (au) (av) (aw) (ax) (ay) (az) (ba) (bb) (bc) (bd) (be) (bf) (bg) (bh) (bi) (bj) (bk) (bl) (bm) (bn) (bo) (bp) (bq) (br) (bs) (bt) (bu) (bv) (bw) (bx) (by) (bz) (ca) (cb) (cc) (cd) (ce) (cf) (cg) (ch) (ci) (cj) (ck) (cl) (cm) (cn) (co) (cp) (cq) (cr) (cs) (ct) (cu) (cv) (cw) (cx) (cy) (cz) (da) (db) (dc) (dd) (de) (df) (dg) (dh) (di) (dj) (dk) (dl) (dm) (dn) (do) (dp) (dq) (dr) (ds) (dt) (du) (dv) (dw) (dx) (dy) (dz) (ea) (eb) (ec) (ed) (ee) (ef) (eg) (eh) (ei) (ej) (ek) (el) (em) (en) (eo) (ep) (eq) (er) (es) (et) (eu) (ev) (ew) (ex) (ey) (ez) (fa) (fb) (fc) (fd) (fe) (ff) (fg) (fh) (fi) (fj) (fk) (fl) (fm) (fn) (fo) (fp) (fq) (fr) (fs) (ft) (fu) (fv) (fw) (fx) (fy) (fz) (ga) (gb) (gc) (gd) (ge) (gf) (gg) (gh) (gi) (gj) (gk) (gl) (gm) (gn) (go) (gp) (gq) (gr) (gs) (gt) (gu) (gv) (gw) (gx) (gy) (gz) (ha) (hb) (hc) (hd) (he) (hf) (hg) (hh) (hi) (hj) (hk) (hl) (hm) (hn) (ho) (hp) (hq) (hr) (hs) (ht) (hu) (hv) (hw) (hx) (hy) (hz) (ia) (ib) (ic) (id) (ie) (if) (ig) (ih) (ii) (ij) (ik) (il) (im) (in) (io) (ip) (iq) (ir) (is) (it) (iu) (iv) (iw) (ix) (iy) (iz) (ja) (jb) (jc) (jd) (je) (jf) (jg) (jh) (ji) (jj) (jk) (jl) (jm) (jn) (jo) (jp) (jq) (jr) (js) (jt) (ju) (jv) (jw) (jx) (jy) (jz) (ka) (kb) (kc) (kd) (ke) (kf) (kg) (kh) (ki) (kj) (kk) (kl) (km) (kn) (ko) (kp) (kq) (kr) (ks) (kt) (ku) (kv) (kw) (kx) (ky) (kz) (la) (lb) (lc) (ld) (le) (lf) (lg) (lh) (li) (lj) (lk) (ll) (lm) (ln) (lo) (lp) (lq) (lr) (ls) (lt) (lu) (lv) (lw) (lx) (ly) (lz) (ma) (mb) (mc) (md) (me) (mf) (mg) (mh) (mi) (mj) (mk) (ml) (mm) (mn) (mo) (mp) (mq) (mr) (ms) (mt) (mu) (mv) (mw) (mx) (my) (mz) (na) (nb) (nc) (nd) (ne) (nf) (ng) (nh) (ni) (nj) (nk) (nl) (nm) (nn) (no) (np) (nq) (nr) (ns) (nt) (nu) (nv) (nw) (nx) (ny) (nz) (oa) (ob) (oc) (od) (oe) (of) (og) (oh) (oi) (oj) (ok) (ol) (om) (on) (oo) (op) (oq) (or) (os) (ot) (ou) (ov) (ow) (ox) (oy) (oz) (pa) (pb) (pc) (pd) (pe) (pf) (pg) (ph) (pi) (pj) (pk) (pl) (pm) (pn) (po) (pp) (pq) (pr) (ps) (pt) (pu) (pv) (pw) (px) (py) (pz) (qa) (qb) (qc) (qd) (qe) (qf) (qg) (qh) (qi) (qj) (qk) (ql) (qm) (qn) (qo) (qp) (qq) (qr) (qs) (qt) (qu) (qv) (qw) (qx) (qy) (qz) (ra) (rb) (rc) (rd) (re) (rf) (rg) (rh) (ri) (rj) (rk) (rl) (rm) (rn) (ro) (rp) (rq) (rr) (rs) (rt) (ru) (rv) (rw) (rx) (ry) (rz) (sa) (sb) (sc) (sd) (se) (sf) (sg) (sh) (si) (sj) (sk) (sl) (sm) (sn) (so) (sp) (sq) (sr) (ss) (st) (su) (sv) (sw) (sx) (sy) (sz) (ta) (tb) (tc) (td) (te) (tf) (tg) (th) (ti) (tj) (tk) (tl) (tm) (tn) (to) (tp) (tq) (tr) (ts) (tt) (tu) (tv) (tw) (tx) (ty) (tz) (ua) (ub) (uc) (ud) (ue) (uf) (ug) (uh) (ui) (uj) (uk) (ul) (um) (un) (uo) (up) (uq) (ur) (us) (ut) (uu) (uv) (uw) (ux) (uy) (uz) (va) (vb) (vc) (vd) (ve) (vf) (vg) (vh) (vi) (vj) (vk) (vl) (vm) (vn) (vo) (vp) (vq) (vr) (vs) (vt) (vu) (vv) (vw) (vx) (vy) (vz) (wa) (wb) (wc) (wd) (we) (wf) (wg) (wh) (wi) (wj) (wk) (wl) (wm) (wn) (wo) (wp) (wq) (wr) (ws) (wt) (wu) (wv) (ww) (wx) (wy) (wz) (xa) (xb) (xc) (xd) (xe) (xf) (xg) (xh) (xi) (xj) (xk) (xl) (xm) (xn) (xo) (xp) (xq) (xr) (xs) (xt) (xu) (xv) (xw) (xx) (xy) (xz) (ya) (yb) (yc) (yd) (ye) (yf) (yg) (yh) (yi) (yj) (yk) (yl) (ym) (yn) (yo) (yp) (yq) (yr) (ys) (yt) (yu) (yv) (yw) (yx) (yy) (yz) (za) (zb) (zc) (zd) (ze) (zf) (zg) (zh) (zi) (zj) (zk) (zl) (zm) (zn) (zo) (zp) (zq) (zr) (zs) (zt) (zu) (zv) (zw) (zx) (zy) (zz)

BMW RED BAG INFORMATION:

BMW bags are supplied by Florida Tech's third-party BMW transporter, and are compliant in design and construction as required by Chapter 64E-16.

Unused Biohazard Bag Locations:

Unused BMW bags are typically stored with unused bio-containers at each BMW storage location (locations are denoted in "The Storage of Biomedical Waste" section of this plan); however, there extra inventory may be located at the following location:

Office of Environmental Health & Safety (EH&S) - Quad 407; Room 108

CO-MIXING

- Biomedical waste mixed with hazardous waste shall be managed as hazardous waste;
- Biomedical waste mixed with radioactive waste shall be managed in a manner that does not violate the provisions of Chapter 64E-5, FAC;
- Any solid waste, other than hazardous and radioactive, that has been mixed with biomedical waste shall be managed as biomedical waste.

~~Room 108 of Chapter 6-~~

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STORAGE OF BIOMEDICAL WASTE

BMW shall be stored for no longer than 30-days. The 30-day period shall commence when the first non-sharps item of biomedical waste is placed into a red bag or sharps container, or when a sharps container containing only sharps is sealed.

Indoor storage shall have restricted access from general traffic flow patterns and be accessible only to authorized personnel using locks, signs, and/or location. Outdoor storage areas and containers shall be secured from vandalism and shall be conspicuously marked with a greater or equal to 6 inches in diameter international biological hazard symbol. All areas primarily used for the storage of BMW shall be constructed of smooth, easily cleanable materials that are impervious to liquids, vermin and insect free, and maintained in sanitary conditions.

Currently, there are three BMW storage areas on the main campus:

1. Link Building (3rd Floor, Breezeway);
2. Olin Life Sciences Building (1st Floor, Utility Hall);
3. Health Sciences Research Center—HSRC (Room 127)

ONSITE TREATMENT METHOD OF BMW

Not applicable for Florida Institute of Technology.

TRAINING

Florida Tech utilizes an online training system for BMW training. In addition, this Biomedical Waste Plan will be available online for all personnel. Although not routine,

