

<b>Document Date:</b>	05/02/2001
<b>Availability:</b>	Southwest Research Institute® Center for Nuclear Waste Regulatory Analyses QA Archive Room Room 140, Bldg. 189 6220 Culebra Road San Antonio, Texas 78228
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<b>Data Sensitivity:</b>	<input checked="" type="checkbox"/> "Non-Sensitive" <input type="checkbox"/> Sensitive <input type="checkbox"/> "Non-Sensitive - Copyright" <input type="checkbox"/> Sensitive - Copyright
<b>Date Generated:</b>	09/03/2003
<b>Operating System:</b> (including version number)	SUN/Solaris 5.9
<b>Application Used:</b> (including version number)	Total-system Performance Assessment (TPA) Code Version 4.1jpd
<b>Media Type:</b> (CDs, 3 1/2, 5 1/4 disks, etc.)	8 mm tape
<b>File Types:</b> (.exe, .bat, .zip, etc.)	.exe; .f, .o, .i; .inp; .inc; .e; .fig; .cmn; .bat; .dat; def; .dbs; .out
<b>Remarks:</b>	<p>Media contains the TPA Version 4.1jpd code. This code is designed to estimate total system performance measures of annual individual dose or risk. It is a combination of an executive driver, a set of consequence modules, and a library of utility modules. Consequence models simulate physical processes and events such as unsaturated zone infiltration, evolution of the near-field thermal-hydrological environment, failure of the drip shield and waste packages, dissolution and release of waste, transport of waste in the groundwater system, extraction of groundwater, and consumption of groundwater. In addition to considering climate change, the code is designed to calculate the effects of disruptive events such as faulting, seismicity, and volcanism.</p> <p>The program is contained in a single compressed archive (tpa41jpd.tar) and must be uncompressed prior to use. Source codes for the executable files are included. A list of the files within the compressed archive is attached.</p>

## Attachment

tpa41jpd/

CLEANUP, Makefile, array.f, array.o, ashplumo.f, ashplumo.o, ashrmovo.f, ashrmovo.o, condxyzt.f, condxyzt.o, dcags.f, dcags.o, dcagw.f, dcagw.o, driftsa.i, ebsfail.f, ebsfail.o, ebsrel.f, ebsrel.o, exec.f, execa.i, execb.i, execc.i, faulto.f, faulto.o, fileunit.f, fileunit.o, findelev.f, findelev.o, fu1.i, fu2.i, ia.i, ia1.i, iareader.f, iareader.o, invent.f, invent.o, inventa.i, inventb.i, inventc.i, inventd.i, invente.i, inventf.i, inventg.i, inventh.i, inventi.i, inventj.i, inventk.i, inventl.i, inventm.i, inventn.i, invento.i, inventp.i, max500yr.i, maxchain.i, maxnnucl.i, maxnsuba.i, maxntime.i, mv.f, mv.o, mva.i, mvb.i, mvc.i, mvd.i, mve.i, mvf.i, nfenv.f, nfenv.o, nintv.i, notice.i, numrecip.f, numrecip.o, path.i, peakfind.f, peakfind.o, ran.f, ran.o, reader.f, reader.i, reader.o, reader1.i, reader2.i, reader3.i, reader4.i, reflux2.i, sampler.f, sampler.o, sampler0.i, sampler1.i, sampler2.i, sampler3.i, sampler4.i, samplera.i, samplerb.i, samplerc.i, samplerd.i, samplere.i, samplerf.i, samplerg.i, samplerh.i, sampleri.i, samplerj.i, samplerk.i, samplerl.i, samplerm.i, samplern.i, samplero.i, samplerp.i, samplerq.i, samplerr.i, samplers.i, samplert.i, sampleru.i, samplerv.i, samplerw.i, samplerx.i, samplery.i, samplerz.i, seismo.f, seismo.o, stop.i, subarea.f, subarea.o, subareaa.i, subareab.i, subareac.i, subaread.i, subareae.i, szft.f, subareaf.i, subareag.i, szft.i, szft.o, tpa.e, tpa.inp, tpa\_.out, uz\_climi.i, uz\_climr.i, uz\_climz.i, uz\_flowi.i, uz\_flowr.i, uz\_flowz.i, uz\_parms.i, uzflow.f, uzflow.o, uzft.f, uzft.o, volcano.f, volcano.o, zportunx.f, zportunx.o

tpa41jpd/ccdf/

tccdf.f, tccdf.i, tccdf.inp, Makefile

tpa41jpd/codes/

Makefile, README, SIZES.INC, SIZES2.INC, ashplume.f, failt.f, nefmks.f, releaset.f, snllhs.f, ebsfilt.f, envin.e, nefmks.e, failt.e, releaset.e, ashplume.e, snllhs.e, ebsfilt.e, env.e

tpa41jpd/codes/gentpa/

Mkenv.fig, Mkenvin.fig, AFPPAR.CMN, AIRPAR.CMN, ANMPAR.CMN, AQUPAR.CMN, CONC.CMN, DAYPC.CMN, DECAY.CMN, DFPAR.CMN, DOSALL.CMN, ENVPAR.CMN, EXPALL.CMN, EXTPAR.CMN, FILES.CMN, FODPAR.CMN, INVIN.CMN, LABELS.CMN, MTBPAR.CMN, Make.bat, OPT.CMN, ORGMAS.CMN, ORGPAR.CMN, RAD.CMN, RMD.CMN, RADIN.CMN, RMD2.CMN, SOLPAR.CMN, SWPAR.CMN, TIMES.CMN, TITL.CMN, accmod.f, acute1.f, acutea.f, acutec.f, aircal.f, anmcal.f, aqucal.f, biocal.f, blockd.f, bsort.f, candh.f, chain.f, check.f, cronmod.f, crpcal.f, dkharv.f, dose.f, drfbiv.f, drfsec.f, drkcal.f, dumred.f, edranm.f, edrcrp.f, edrnon.f, edrres.f, env.f, envin.f, envlib.f, exposr.f, extcal.f, filerr.f, fntdrf.f, headng.f, idnuc.f, inhcal.f, initnv.f, intpol.f, invmol.f, makda2.f, Makefile, opnfil.f, order.f, packag.f, plmriz.f, prior.f, prob.f, ritqa.f, profile.f, readin.f, redcas.f, redcha.f, redflt.f, redist.f, ritenv.f, ritexp.f, ritmed.f, rlibin.f, rwake.f, sigma.f, swcal.f, trnspt.f, ustar.f, xqcal.f, xqin.f, blockd.o, filerr.o, makda2.o, envlib.o, accmod.o, cronmod.o, redflt.o, readin.o, rlibin.o, ritqa.o, opnfil.o, order.o, ritenv.o, profile.o, plmriz.o, prob.o, drfbiv.o, dumred.o, rwake.o, xqin.o, idnuc.o, bsort.o, headng.o, fntdrf.o, sigma.o, invmol.o, ustar.o, drfsec.o, check.o, swcal.o, ritexp.o, initnv.o, acute1.o, redcas.o, biocal.o, xqcal.o, trnspt.o, prior.o, redcha.o, exposr.o, edrres.o, candh.o, acutea.o, crpcal.o, edranm.o, edrnon.o, anmcal.o, redist.o, acutec.o, edrcrp.o, chain.o, extcal.o, aqucal.o, packag.o, intpol.o, dkharv.o, ritmed.o, aircal.o, inhcal.o, drkcal.o

tpa41jpd/codes/itym/

makefile

tpa41jpd/codes/itym/src/

array.f, check\_valid.f, estimator.f, init\_itym.f, itym.f, itym.i, itymutils.f, path.i, preuzf.i, ran.f, strtokfunc.f, uncertain.f, uncertain.i, unctab.i, zportunx.f

tpa41jpd/data/

multiflo.dat, strmtube.dat, climato1.dat, climato2.dat, dilution.dat, ebsfail.def, ebsrel.def, repdes.dat, ia.dat, itym.dat, soildem.dat, elevdem.dat, bunitdem.dat, maswtbl.dat, sunitdem.dat, winddem.dat, gs\_cb\_ad.dat, gs\_cb\_ci.dat, gs\_pb\_ad.dat, gs\_pb\_ci.dat, tefkti.inp, tpanames.dbs, ebsfilt.def, drythick.dat, nuclides.dat, burnup.dat, wpflow.def, FILENAME.DAT, gbioac1.dat, gdefault.def, gdosinc2.dat, gftrans.def, ggamen.dat, ggenii.def, ggrdf.dat, gnewdf.dat, grmdlib.dat, mairtbl.dat, organdf.dat, temp, quad.f, a.out,