

# REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR: 8706100107 DOC. DATE: 87/06/05 NOTARIZED: NO DOCKET #  
 FACIL: 50-250 Turkey Point Plant, Unit 3, Florida Power and Light C 05000250  
 50-251 Turkey Point Plant, Unit 4, Florida Power and Light C 05000251  
 AUTH. NAME AUTHORITY AFFILIATION  
 WOODY, C. O. Florida Power & Light Co.  
 RECIP. NAME RECIPIENT AFFILIATION  
 Document Control Branch (Document Control Desk)

SUBJECT: Forwards revisions to inservice test program for valves.  
 Changes required due to plant changes/mods or to correct  
 errors in inservice test program.

DISTRIBUTION CODE: A047D COPIES RECEIVED: LTR 1 ENCL 1 SIZE: 6  
 TITLE: OR Submittal: Inservice Inspection/Testing

## NOTES:

	RECIPIENT ID CODE/NAME	COPIES LTTR ENCL	RECIPIENT ID CODE/NAME	COPIES LTTR ENCL
	PD2-2 LA	1 0	PD2-2 PD	5 5
	McDONALD, D	1 1		
INTERNAL:	AEDD/DOA	1 1	AEDD/DSP/TPAB	1 1
	ARM/DAF/LFMB	1 0	NRR/DEST/ADE	1 0
	NRR/DEST/MEB	1 1	NRR/DEST/MTB	1 1
	<u>NRR/ARMAS/ILRB</u>	1 1	OGC/HDS2	1 0
	<u>REG FILE</u> 01	1 1		
EXTERNAL:	LPDR	1 1	NRC PDR	1 1
	NSIC	1 1		

TOTAL NUMBER OF COPIES REQUIRED: LTTR 19 ENCL 15

[illegible]

104

105

106

107

108

109

110

111

112

113

114

115

116

117

118

119

120

121

122

123

124

125

126

127

128

129

130

131

132

133

134

135

136

137

138

139

140

141

142

143

144

145

146

147

148

149

150

151

152

153

154

155

156

157

158

159

160

161

162

163

164

165

166

167

168

169

170

171

172

173

174

175

176

177

178

179

180

181

182

183

184

185

186

187

188

189

190

191

192

193

194

195

196

197

198

199

200

201

202

203

204

205

206

207

208

209

210

211

212

213

214

215

216

217

218

219

220

221

222

223

224

225

226

227

228

229

230

231

232

233

234

235

236

237

238

239

240

241

242

243

244

245

246

247

248

249

250

251

252

253

254

255

256

257

258

259

260

261

262

263

264

265

266

267

268

269

270

271

272

273

274

275

276

277

278

279

280

281

282

283

284

285

286

287

288

289

290

291

292

293

294

295

296

297

298

299

300

301

302

303

304

305

306

307

308

309

310

311

312

313

314

315

316

317

318

319

320

321

322

323

324

325

326

327

328

329

330

331

332

333

334

335

336

337

338

339

340

341

342

343

344

345

346

347

348

349

350

351

352

353

354

355

356

357

358

359

360

361

362

363

364

365

366

367

368

369

370

371

372

373

374

375

376

377

378

379

380

381

382

383

384

385

386

387

388

389

390

391

392

393

394

395

396

397

398

399

400

401

402

403

404

405

406

407

408

409

410

411

412

413

414

415

416

417

418

419

420

421

422

423

424

425

426

427

428

429

430

431

432

433

434

435

436

437

438

439

440

441

442

443

444

445

446

447

448

449

450

451

452

453

454

455

456

457

458

459

460

461

462

463

464

465

466

467

468

469

470

471

472

473

474

475

476

477

478

479

480

481

482

483

484

485

486

487

488

489

490

491

492

493

494

495

496

497

498

499

500

501

502

503

504

505

506

507

508

509

510

511

512

513

514

515

516

517

518

519

520

521

522

523

524

525

526

527

528

529

530

531

532

533

534

535

536

537

538

539

540

541

542

543

544

545

546

547

548

549

550

551

552

553

554

555

556

557

558

559

560

561

562

563

564

565

566

567

568

569

570

571

572

573

574

575

576

577

578

579

580

581

582

583

584

585

586

587

588

589

590

591

592

593

594

595

596

597

598

599

600

601

602

603

604

605

606

607

608

609

610

611

612

613

614

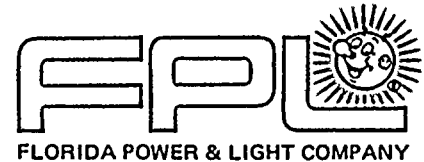
615

<

1. The first step in the process is to identify the problem or issue that needs to be addressed. This involves gathering information and understanding the context of the problem.

1. The first step is to identify the problem. In this case, the problem is that the company is not meeting its sales targets. The second step is to analyze the data. The third step is to develop a plan. The fourth step is to implement the plan. The fifth step is to evaluate the results.

[illegible]



JUNE 05 1987

L-87-238

U. S. Nuclear Regulatory Commission  
Attn: Document Control Desk  
Washington, D.C. 20555

Gentlemen:

Re: Turkey Point Unit Nos. 3 & 4  
Docket Nos. 50-250 and 50-251  
Revisions to the Inservice Test Program - Valves

Attached are revised pages to the Turkey Point Unit Nos. 3 & 4 Inservice Test (IST) Program - Valves. Revisions are indicated by a single vertical line in the right margin. These changes are required because of plant changes/modifications or to correct errors in the IST Program.

Revisions to the IST Program include:

1) Page Nos. 29 and 101A

The existing 2-inch, high-head safety injection system test line return to the refueling water storage tank, air-operated globe valve Nos. CV-\*-856A and CV-\*-856B, are being replaced by 2-inch motor-operated globe valve Nos. MOV-\*-856A and MOV-\*-856B. Installation of these valves will be completed on Unit No. 3 by the end of the current refueling outage. They are scheduled to be installed on Unit No. 4 during the next refueling outage.

2) Page 39

The existing 3-inch, steam supply to turbine-driven auxiliary feedwater (AFW) pump Nos. A, B, & C, motor-operated gate valve Nos. MOV-\*-1403, MOV-\*-1404, and MOV-\*-1405, are being replaced by 4-inch motor-operated globe valve Nos. MOV-\*-1403, MOV-\*-1404, and MOV-\*-1405. Installation of these valves will be completed on both Unit Nos. 3 & 4 by the end of the current Unit No. 3 refueling outage.

3) Page 39

The existing 3-inch, steam supply to turbine-driven AFW pump Nos. A, B, and C, stop-check valve Nos. \*-10-119, \*-10-219, and \*-10-319, are being replaced by 3-inch tilting-disk check valve Nos. \*-10-375, \*-10-376, and \*-10-377. Installation of these valves will be completed on both Unit Nos. 3 & 4 by the end of the current Unit No. 3 refueling outage.

8706100107 870605  
PDR ADOCK 05000250  
P PDR

THE UNITED STATES OF AMERICA  
DO hereby certify that

the following is a true and correct copy of the

original as the same appears in the records of the  
Department of the Interior, Bureau of Land Management,  
Washington, D. C.

in accordance with the provisions of the Act of March 3, 1879,  
Chapter 22, Section 1, approved March 3, 1879, and the Act of  
October 3, 1917, Chapter 118, Section 1, approved October 3, 1917,  
and the Act of August 1, 1937, Chapter 24, Section 1, approved August 1, 1937.

IN WITNESS WHEREOF, the Secretary of the Interior

has hereunto set his hand and the seal of the Department of the Interior  
this \_\_\_\_\_ day of \_\_\_\_\_, 19\_\_\_\_.

Attest:  
The Secretary of the Interior  
Department of the Interior  
Washington, D. C.

By \_\_\_\_\_

Special Agent in Charge  
Bureau of Land Management  
Department of the Interior  
Washington, D. C.

By \_\_\_\_\_

Special Agent in Charge  
Bureau of Land Management  
Department of the Interior  
Washington, D. C.

U. S. Nuclear Regulatory Commission  
L-87-238  
Page two

4) Page 39


The existing 4-inch, steam supply to turbine-driven AFW pump Nos. A, B, and C, stop-check valve Nos. \*-10-120, \*-10-220, and \*-10-320 are being replaced by 4-inch tilting-disc check valve Nos. \*-10-381, \*-10-382, and \*-10-383. Installation of these valves will be completed on both Unit Nos. 3 & 4 by the end of the current Unit No. 3 refueling outage.

5) Page 40

The existing main steam isolation valve (MSIV) Nos. POV-\*-2604, POV-\*-2605, and POV-\*-2606, are check valves installed in the reverse direction. Accordingly, these valves are classified as CODE category C (IWV-2200) valves. In Table I, the failure mode of these Code category C valves was listed, in error, as fail-closed (FC) because the MSIV actuator-spring was assumed to be a fail-closed spring. We have now determined the actuator-spring is a partial-travel spring which only assists MSIV closure.

If there are any questions, please call us.

Very truly yours,

  
for C. O. Woody  
Group Vice President  
Nuclear Energy

COW/TCG/gp

Attachment

cc: Dr. J. Nelson Grace, Regional Administrator, Region II, USNRC  
Mr. D. R. Brewer, USNRC Senior Resident Inspector, Turkey Point Plant  
Mr. D. G. McDonald, PAD2, USNRC

1. The first part of the document is a list of names and addresses of the members of the committee.

2. The second part of the document is a list of names and addresses of the members of the committee.

3. The third part of the document is a list of names and addresses of the members of the committee.

4. The fourth part of the document is a list of names and addresses of the members of the committee.

5. The fifth part of the document is a list of names and addresses of the members of the committee.

6. The sixth part of the document is a list of names and addresses of the members of the committee.

7. The seventh part of the document is a list of names and addresses of the members of the committee.

FLORIDA POWER & LIGHT COMPANY  
TABLE I - TESTS TO CODE OR RELIEF REQUEST

VALVE NUMBER	SIZE	TYPE	ACTU.	CODE CL.	CODE CAT.	ACT/ PAS	NORM. POS.	FAIL- URE MODE	REM. POS. IND.	TEST PER	ISI TESTS	RRB NO.	VALVE COORD	REMARKS
MOV--*-866A	2	GLOBE	MO	1	B	A	LC	FAI	YES	2 2 1	EF-2 EST-3 EF-5	6	D-15	
MOV--*-866B	2	GLOBE	MO	1	B	A	LC	FAI	YES	2 2 1	EF-2 EST-3 EF-5	6	D-15	
*-876A	8	CHECK	S/A	1	C	A	NC	--	NO	2	EF-2	7	B-15	
*-876B	8	CHECK	S/A	1	C	A	NC	--	NO	2	EF-2	7	A-13	
*-876C	8	CHECK	S/A	1	C	A	NC	--	NO	2	EF-2	7	A-11	
*-876D	8	CHECK	S/A	1	C	A	NC	--	NO	2	EF-2	8	A-13	
*-876E	8	CHECK	S/A	1	C	A	NC	--	NO	2	EF-2	8	A-11	
*-945E	1	S/CHK	S/A	2	AC	A	NO	--	NO	2 1	EF-2 SLT-1	5	C-9	
MOV--*-856A	2	GLOBE	MO	2	B	A	NO	FAI	YES	1 1 1	EF-3 EST-3 EF-5	21	D-3	
MOV--*-856B	2	GLOBE	MO	2	B	A	NO	FAI	YES	1 1 1	EF-3 EST-3 EF-5	21	D-3	

TURKEY POINT UNIT NOS. 3 & 4

RELIEF REQUEST BASIS

SYSTEM: Safety Injection

21. Valve: MOV-\*-856A and MOV-\*-856B  
Category: B  
Class: 2

Function: Isolation valves for the High-Head Safety Injection System Test line return to the Refueling Water Storage Tank (RWST).

Test Requirement: IWV-3410

Basis for Relief: Failure of either of these valves in the non-open position, by testing during either dual unit operation or single unit operation, would result in the isolation of the minimum recirculation flow path flow path from at least two High-Head Safety Injection pumps. The isolation of the minimum recirculation flow path, concurrent with a Safety Injection Signal and high pressure in the reactor coolant system, would result in damage to the associated High-Head Safety Injection pumps.

Alternate Testing: These valves will be tested during refueling shutdowns of the associated unit when the High-Head Safety Injection pumps are aligned to the RWST of the operating unit.



FLORIDA POWER & LIGHT COMPANY  
TABLE I - TESTS TO CODE OR RELIEF REQUEST

VALVE NUMBER	SIZE	TYPE	ACTU.	CODE CL.	CODE CAT.	ACT/ PAS	NORM. POS.	FAIL- URE MODE	REM. POS. IND.	TEST PER	ISI TESTS	VALVE COORD	REMARKS
MOV--1403	4	GLOBE	MO	2	B	A	NC	FAI	YES	3 3 1	EF-1 EST-3 EF-5	C-12	
MOV--1404	4	GLOBE	MO	2	B	A	NC	FAI	YES	3 3 1	EF-1 EST-3 EF-5	D-12	
MOV--1405	4	GLOBE	MO	2	B	A	NC	FAI	YES	3 3 1	EF-1 EST-3 EF-5	D-12	
*-10-083	4	CHECK	S/A	3	C	A	NC	---	NO	3	EF-1	E-12	
*-10-085	4	CHECK	S/A	3	C	A	NC	--	NO	3	EF-4	E-12	TRAIN 2
*-10-087	4	CHECK	S/A	3	C	A	NC	--	NO	3	EF-1	F-12	
*-10-375	3	CHECK	S/A	3	C	A	NC	--	NO	3	EF-1	C-12	
*-10-376	3	CHECK	S/A	3	C	A	NC	--	NO	3	EF-1	D-12	
*-10-377	3	CHECK	S/A	3	C	A	NC	--	NO	3	EF-1	D-12	
*-10-381	4	CHECK	S/A	3	C	A	NC	--	NO	3	EF-1	C-12	
*-10-382	4	CHECK	S/A	3	C	A	NC	--	NO	3	EF-1	D-12	
*-10-383	4	CHECK	S/A	3	C	A	NC	--	NO	3	EF-1	D-12	
AFSS--005	4	CHECK	S/A	3	C	A	NC	--	NO	3	EF-1	C-12	
AFSS--003B	4	CHECK	S/A	3	C	A	NC	--	NO	3	EF-1	D-12	
AFSS--003A	4	CHECK	S/A	3	C	A	NC	--	NO	3	EF-4	D-12	TRAIN 2
AFSS--003C	4	CHECK	S/A	3	C	A	NC	--	NO	3	EF-4	D-12	TRAIN 2

SYSTEM TITLE: STEAM SYSTEM

PROGRAM TITLE: VALVE TEST PROGRAM

DWG. NO.: 5610-M-1



100

FLORIDA POWER & LIGHT COMPANY  
TABLE I - TESTS TO CODE OR RELIEF REQUEST

VALVE NUMBER	SIZE	TYPE	ACTU.	CODE CL.	CODE CAT.	ACT/ PAS	NORM. POS.	FAIL- URE MODE	REM. POS. IND.	TEST PER	ISI TESTS	RRB NO.	VALVE COORD	REMARKS
POV--*-2604	26	POWER ASST'D CHECK	A/O	2	C	A	NO	----	YES	2 2 1	EF-2 EST-1 EF-5	1	B-9	
POV--*-2605	26	POWER ASS'TD CHECK	A/O	2	C	A	NO	----	YES	2 2 1	EF-2 EST-1 EF-5	1	B-10	
POV--*-2606	26	POWER ASST'D CHECK	A/O	2	C	A	NO	----	YES	2 2 1	EF-2 EST-1 EF-5	1	B-11	
*-10-004	26	S/CHK	S/A	2	C	A	NO	----	NO	***	***	2	B-9	
*-10-005	26	S/CHK	S/A	2	C	A	NO	----	NO	***	***	2	B-10	
*-10-006	26	S/CHK	S/A	2	C	A	NO	----	NO	***	***	2	B-11	