



METROPOLIS WORKS

UF₆ Conversion

Honeywell

Honeywell Metropolis USNRC Source Material License SUB 526

- License Renewal Timeline

- 5/11/2007 – SUB-526 issued for 10 year term
 - ML 062140705
- 6/12/2015 – HON-NRC meeting Rockville – start of renewal activity
 - ML 15180A244
- 10/27-28/2015 – NRC license team site visit to Metropolis
- 2/9/2016 – HON-NRC meeting Rockville
- 11/1/16 – HON-NRC meeting Rockville
- 2/8/2017 – License Renewal Application formally submitted to NRC by HON
 - ML 17048A243
- 4/5-6/2017 – NRC license team site visit to Metropolis
 - ML 17100A1
- 5/2/2017 – License Renewal Application formally accepted by NRC (timely renewal status)
 - ML 17111A740
- 5/31/2017 – HON-NRC meeting Metropolis – Environmental and Rad RAI clarification & review
- 8/16/2017 – HON-NRC meeting Metropolis – Chemical Safety, MC&A, Fire Protection, Emergency Response, and Security RAI clarification & review
- 12/13-14/2017 – HON-NRC meeting Metropolis – Integrated Safety Analysis (ISA) and Management Measures RAI clarification & review
- 4/12/2018 – HON-NRC meeting Rockville – today's meeting

Status of Requests for Additional Information (RAI)

License Application Chapter	What is it	Formal RAI received from NRC	Number (count) of RAI's	Date due to NRC	Date submitted to NRC
1	General Information	None	None	None	None
2	Organization and Administration	None	None	None	None
3	Integrated Safety Analysis (ISA)	2/12/2018	DRAI 10/24/17 X21; DRAI 11/9/17 X 21 DRAI 12/11/17 X 21: DRAI 1/24/18 X 22	4/13/2018	
4	Radiation Protection	8/3/2017	13	10/3/2017	9/20/2017 **
5	Nuclear Criticality Safety	None	None	None	None
6	Chemical Process Safety	11/7/2017	19	2/7/2018	2/2/2018 **
7	Fire Safety	11/7/2017	6	2/7/2018	2/2/2018
8	Emergency Management (Response)	None	None	None	None
9	Environmental Safety (Environmental Report)	10/25/2017	35	1/23/2018	1/22/2018 **
10	Decommissioning	None	None	None	None
11	Management Measures	2/12/2018	DRAI 10/24/17 X21; DRAI 11/9/17 X 21 DRAI 12/11/17 X 21: DRAI 1/24/18 X 22	4/13/2018	
12	Material Control & Accounting (MC&A)	8/3/2017	2	10/3/2017	9/20/2017
N/A	Security	8/3/2017	~20+	10/3/2017	9/20/2017 **
	NO additional information required or does not apply		Complete with these sets		In process
			** = minor updates on followup		

8 sets of RAI's – total ~117

Application Overview

• Elements of Existing License

- “Two-Part” License Application (per Reg Guide 3.55)
 - License Application and
 - “Safety Demonstration Report” (SDR)
- Environmental Report (per NUREG 1748)
- Emergency Response Plan
- Decommissioning Funding Plan (DFP) / Decommissioning Cost Estimate (DCE)
- Integrated Safety Analysis (ISA) Summary

• Elements of 2017 Renewal

- “One-Part” License Application
 - Meets intent of NUREG-1520
 - SDR – removed and consolidated into the new application and ISA Summary
- Environmental Report (updated to reflect 40-year term)
- Emergency Response Plan (incorporated by reference)
- DFP/DCE (incorporated by reference)
- ISA Summary – updated and changes submitted annually per existing license condition (incorporated by reference)

Honeywell Metropolis ISA

- MTW enhanced/upgraded its licensing basis through Part 40 ISA
- During the 2007 license renewal cycle, Honeywell **voluntarily** agreed to develop, execute, and maintain an ISA
 - MTW ISA modeled after Part 70
 - MTW did not commit to, nor did NRC require, a full Part 70 ISA
 - NRC concluded that:
 - MTW method consistent with Part 70 ISA guidance in NUREG-1513
 - MTW identified and adequately evaluated credible accident scenarios
 - MTW identified appropriate plant features and procedures (PFAPs) and management measures
- The ISA and its elements have been subject to **review and inspection** during the course of the current license cycle.
 - MTW completed implementation of ISA results on November 8, 2007
 - ISA subject to configuration management measures
 - MTW submits annual reports to NRC

License Conditions for ISA

- The ISA is currently incorporated into SUB-526 as several license conditions
 - 18D = *Integrated Safety Analysis (ISA) Summary*
 - 19 = *Within 180 days of the issuance of the renewed license, all Plant Features and Procedures (to be designated PFAP) shall be developed and implemented within the ISA. The implementation shall include the Configuration Management Program and Facility Change Process.*
 - 20 = *For changes to the site, structure, processes, systems, components, computer programs, and activities of personnel within the identified PFAP and safety control boundaries that do not require prior NRC approval, Honeywell shall prepare and submit to NRC, within 30 days after the end of the calendar year in which the change was implemented, a brief summary of all such changes. For all changes that affect the Metropolis Works Facility ISA, Honeywell shall submit to the NRC, within 30 days after the end of the calendar year in which the changes were implemented, either a revised ISA summary or revised ISA summary pages, as appropriate.*

**THIS ENDS THE PUBLIC PORTION OF THE
MEETING**