

**FEDERAL FACILITY AGREEMENT AND CONSENT ORDER (FFA/CO)  
NEW SITE IDENTIFICATION (NSI)**

**Part A – NEW SITE IDENTIFICATION INFORMATION  
(To be completed by the Task Lead for New Site)**

<b>1. Site Title:</b> <b>4" SWA-100532 Leak Near the Intersection with 8" SWN-3001</b> (Use known common names, location descriptors and or processes near or associated with the suspected inactive waste site.)	<b>Site Code:</b> <b>CPP-128</b>
	<b>NSI Evaluation Initiation Date:</b> August 23, 2005
<b>2. Task Lead For New Site:</b> Wendell Jolley	Phone: 526-5990
<b>3. NSI Coordinator:</b> Nielsen Burch	Phone: 526-5676
<b>4. Initiator or Initial Observer:</b> Taryl Huebner	Phone: 526-1399
<b>5. Description of Suspected New Site and Location:</b> (A location map and/or diagram identifying the site against controlled survey points or global positioning system descriptors may be included. Document all <u>existing</u> information including historical, process, screening data, analytical data, radiological surveys etc. Attach supporting documentation) <p>This suspected new site consists of a 4 in. transfer line (4 in. SWA-100532) that carries steam condensate and treated cooling water from the CPP-649 Atmospheric Protection System to the service waste system for disposal. This line is constructed of stainless steel then transitions to Bondstrand fiberglass reinforced plastic pipe. The epoxy resin in the pipe is rated for a maximum temperature of 180 degrees fahrenheit, however live steam exceeding this temperature is known to have passed through this line.</p> <p>The steam system was believed to have developed a leak when steam was seen coming up through the asphalt in the center of Olive Street south of CPP-649. On January 11, 1990, the intersection of the 4 in. SWA-100532 line and the 8 in. SWN-3001 line was exposed and visually examined to determine the cause of the leak (see Figure 1). Upon exposing the pipe, it was discovered that approximately 3 ft of the top of the SWA-100532 line immediately north of the intersection with the 8 in. SWN-3001 line was missing. This section of pipe had been encased in concrete which was also deteriorating. A pinhole leak was also observed in the top of the T-joint connecting the two lines. There was no visual external evidence of attack on the service waste line on either side of the concrete encasement. The Bondstrand lines and T-joint were replaced with stainless steel parts in February 1990, and a new concrete thrust block was installed around the repaired tee. Repairs are documented in Work Order Package number 127031.</p> <p>The pipe was determined to have failed because steam with temperatures in excess of the temperature rating for the pipe epoxy was delivered through the system. This system was designed to transfer only non radioactive, non hazardous waste, and this 4 in line only transferred steam condensate and treated cooling water for disposal. Because this system was designed to transfer only non hazardous, non radioactive waste, there is no reason to believe that hazardous or radioactive substances were released to the environment from this pipe.</p> <p>The steam condensate at the INTEC facility was evaluated in the Track 1s for release sites CPP-102 through CPP-110. CPP-102 through CPP-110 were shallow injection wells designed to receive steam condensate. It was determined in these Track 1s that the sites received steam condensate and did not pose an unacceptable risk. The treated cooling water is soft water. Water softening reduces the mineral content to prevent hard water deposits. The water is softened with Zeolite which is a hydrous aluminum silicate mineral used as a molecular filter and ion-exchange agent.</p> <p>This new site identification form was prepared to satisfy requirements from the Consent Order Action Plan found under Appendix B, Site Tank-005 (Consent Order Idaho Code 39-4413 dated 6/14/2000). The hazardous waste determination for this line says that it is non hazardous (EDF-1667) which satisfies requirement A. Requirement B says that if it has a potential for release to the environment then it shall be evaluated by DOE and should be recommended for inclusion in the FFA/CO.</p>	

**6. Is the site a Solid Waste Management Unit (SWMU) as defined in OSWER Directive 9502.00-6?**     Yes     No

**7. Recommendation**

Recommend not including as a new FFA/CO site. This site DOES NOT warrant further investigation, does not meet the criteria for acceptance, and should not be included under FFA/CO Action Plan.

Recommend including as new FFA/CO site. This site DOES meet the criteria for acceptance, may warrant further investigation, and should be included under FFA/CO Action Plan.

Recommended Waste Area Group (WAG) and Operable Unit to which site should be assigned:

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WAG: 10

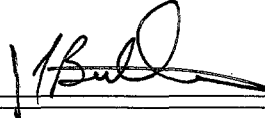
Operable Unit: 10-08

Recommended action for this site:

No Action     No Further Action     Remedial Action under Existing ROD     Track 2     RI/FS

**8. Responsible Manager Signature:**

Name: Lane Butler

Signature: 

Date: 9/8/05

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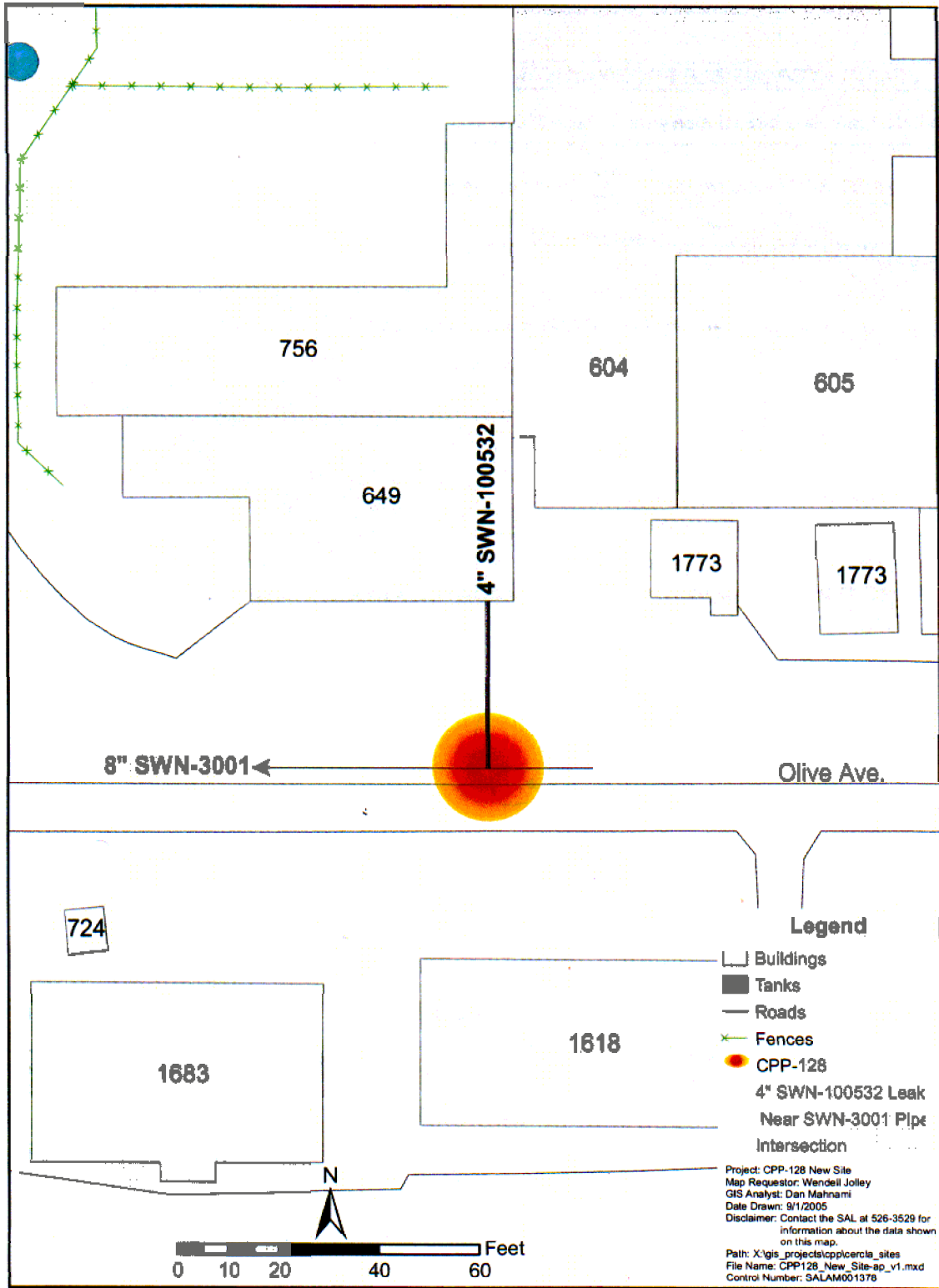


Figure 1: Location of leak in the 4-in SWA-100532 pipe.

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**PART B – FFA/CO RESPONSIBLE PROGRAM MANAGERS (RPM'S) CONCURRENCE**

Site Title:  
4" SWA-100532 Leak Near Intersection with 8" SWN-3001

Site Code:  
CPP-128

DOE-ID FFA/CO RPM Concurrence:  Concur with recommendation.  Do not concur with the recommendation.

Signature: *[Signature]* Date: Sept. 12, 2005  
Explanation:

*I agree with this recommendation.*

EPA FFA/CO RPM Concurrence:  Concur with recommendation.  Do not concur with the recommendation.

Signature: *[Signature]* Date: 11-1-05  
Explanation:

*I agree with the recommendation as a  
No action site.*

State of Idaho FFA/CO RPM Concurrence:  Concur with recommendation.  Do not concur with the recommendation.

Signature: *[Signature]* Date: 9-15-05  
Explanation:

*I concur with the no action  
recommendation for CPP-128*