



FRAMATOME ANP

An AREVA and Siemens company

FRAMATOME ANP, Inc.

April 8, 2003
JBP:03:008

Benton Clean Air Authority
Attn: Mr. John St. Clair
114 Columbia Point Drive, Suite C
Richland, WA 99352

Dear Mr. St. Clair:

Subject: CY 2002 Framatome ANP Inc. Plant Emissions Report

This letter transmits to the Benton Clean Air Authority (BCAA) the annual Washington Department of Ecology (WDOE) Air Emissions Inventory Information and BCAA Synthetic Minor Air Source (Order 95-05) summary for the CY 2002 plant emissions from Framatome ANP Inc.'s nuclear fuel fabrication plant at 2101 Horn Rapids Road.

With respect to Order 95-05, NOx source measurements for the UO2 Building dissolvers (K-32 stack) were obtained in October 2002 and February 2003, while the ELO Building dissolver (K-56 stack) measurement was obtained in October 2002. All NOx source measurements were obtained with a chemiluminescent analyzer instrument using EPA Method 7E, "Determination of Nitrogen Oxides Emissions from Stationary Sources (Instrumental Analyzer Procedure)". The measurement system is the Thermo Environmental Instruments Inc. Model 42H Chemiluminescence NO-NO2-NOx Analyzer (EPA Approval RFNA-1289-074) and Measurements Technologies Model 3040 Dilution Sampling System, although the dilution system was not used for the measurements.

Responses to the requirements of Order 95-05 Section 3 are as follows:

Section 3.a through 3.d – Attachment 1 shows the 12-month rolling sum of uranium dioxide (UO2) throughput for the dissolvers in the ELO and UO2 buildings during CY2002. The data verify that the throughput did not exceed the 90,000 and 400,000 Kg UO2 limits for the ELO and UO2 dissolvers, respectively.

Sections 3.e and 3.f – Stack K-56 source measurements were obtained on October 15, 2002 for the ELO dissolver. K-32 source measurements were obtained on October 21, 2002 and February 19, 2003, for the UO2 Building dissolvers. The K-32 pellet dissolver was down for maintenance repairs the last two weeks of October 2002 through February 18, 2003. Attachment 2 summarizes the results and indicates that the 0.36 lb. NOx per Kg UO2 emission limit was not exceeded by any dissolver. Attachment 2 also summarizes the NOx emissions for CY2002 that indicate the 100 ton total NOx discharge limit also was not exceeded.

Mr. John St. Clair
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Section 3.g and h – Attachment 3 is the summary of the waste burned in the Solid Waste Uranium Recovery (SWUR) facility. The summary shows that the average feed rate did not exceed the 200 lb. per hour limit.

The completed Air Emissions Inventory form is attached. Updates include a change in the technical contact e-mail address. Please do not hesitate to call if there are any questions regarding the information submitted; I can be reached at 375-8452.

Very truly yours,

A handwritten signature in cursive script that reads "Jim Perryman".

Jim Perryman
Environmental Engineer

/mah

Enclosures

Attachment 1

	ELO DISSOLVERS			UO2 DISSOLVERS			UDISSOLV.XLS					
	GSUR		12 month sum	UNH		12 month sum	PD		12 month sum	UNH+PD 12 month sum		Overall Combined Total
Date	Kg - U	Kg - UO2	Kg-UO2	Kg - U	Kg - UO2	Kg - UO2	Kg - U	Kg - UO2	Kg - UO2	Kg - UO2	Kg - UO2	Kg - UO2
Jan-01	2563	2908	2908	1953	2216	2216	449	509	509		2725	5633
Feb-01	2413	2738	5645	5767	6543	8758	843	956	1466		10224	15869
Mar-01	4225	4793	10439	0	0	8758	914	1037	2503		11261	21700
Apr-01	1733	1966	12405	4665	5292	14051	1064	1207	3710		17761	30165
May-01	3448	3912	16316	968	1098	15149	0	0	3710		18859	35175
Jun-01	2659	3017	19333	5885	6677	21826	555	630	4339		26165	45498
Jul-01	3065	3477	22810	0	0	21826	0	0	4339		26165	48975
Aug-01	1847	2095	24906	7418	8416	30241	0	0	4339		34581	59486
Sep-01	1893	2148	27053	7224	8196	38437	2637	2992	7331		45768	72821
Oct-01	3818	4332	31385	3996	4533	42970	0	0	7331		50301	81686
Nov-01	2463	2794	34179	3022	3428	46399	5937	6736	14067		60465	94645
Dec-01	3100	3517	37696	2340	2655	49054	1404	1593	15660		64713	102409
Jan-02	2986	3388	38176	1124	1275	48113	2670	3029	18179		66292	104468
Feb-02	590	669	36108	1303	1478	43049	1966	2230	19453		62502	98610
Mar-02	497	564	31878	2388	2709	45758	5716	6485	24901		70659	102537
Apr-02	933	1058	30971	738	837	41303	0	0	23694		64997	95967
May-02	622	706	27765	1031	1170	41374	311	353	24047		65421	93186
Jun-02	0	0	24748	652	740	35437	691	784	24201		59638	84386
Jul-02	890	1010	22280	1048	1189	36626	435	494	24695		61321	83601
Aug-02	675	766	20951	3088	3503	31714	3014	3419	28114		59828	80779
Sep-02	842	955	19758	695	788	24307	1307	1483	26605		50912	70670
Oct-02	2282	2589	18016	1602	1817	21591	2888	3276	29882		51472	69488
Nov-02	1461	1658	16879	0	0	18162	0	0	23146		41308	58187
Dec-02	829	941	14303	211	239	15747	0	0	21553		37300	51603
	GSUR = Gadolinia Scrap Uranium Recovery dissolvers in the ELO Building											
	UNH = Uranium oxide powder dissolvers in the UO2 Building (Uranyl Nitrate Hexahydrate)											
	PD = Uranium oxide pellet dissolver in the UO2 Building											

Attachment 2

2002 STACK NOX EMISSION SUMMARY

<u>Stack No.</u>	<u>Dissolvers</u>	NOX Emission Rate	Dissolver Feed Rate	Average # NOX / Kg UO ₂	Total Annual Kg UO ₂	Total Annual # NOX
<u>K-56</u>	ELO-GSUR	0.382 # per hour (Average over four hours)	10.65 Kg/hr	0.036	14303	515
<u>K-32</u>	UO ₂ Pellet	2.05 # per hour (Average over six hours)	28.20 Kg/hr	0.073	21553	1573
<u>K-32</u>	UO ₂ Powder	0.66 # per batch (Average of ten batches)	18.00 Kg/batch	0.038	15747	598
<u>Total</u>						2687 (1.34 Tons)

SWUR Average Daily And Monthly Burn Rate

Printed Tuesday, April 01, 2003

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Date	Pounds Burned	Average Rate	Days Active
January 2002			
1/2/2002	1664.0	69.3 lbs/hr	
1/3/2002	2130.8	88.8 lbs/hr	
1/4/2002	2330.3	97.1 lbs/hr	
1/5/2002	2203.9	91.8 lbs/hr	
1/6/2002	2206.0	91.9 lbs/hr	
1/7/2002	2142.2	89.3 lbs/hr	
1/8/2002	2067.4	86.1 lbs/hr	
1/9/2002	2192.6	91.4 lbs/hr	
1/10/2002	2034.1	84.8 lbs/hr	
1/11/2002	788.4	32.8 lbs/hr	
1/14/2002	637.7	26.6 lbs/hr	
1/15/2002	2423.8	101.0 lbs/hr	
1/16/2002	2216.3	92.3 lbs/hr	
1/17/2002	1998.7	83.3 lbs/hr	
1/18/2002	873.0	36.4 lbs/hr	
1/21/2002	28.0	1.2 lbs/hr	
1/22/2002	2458.1	102.4 lbs/hr	
1/23/2002	2016.3	84.0 lbs/hr	
1/24/2002	1988.8	82.9 lbs/hr	
1/25/2002	842.3	35.1 lbs/hr	
1/29/2002	195.4	8.1 lbs/hr	
1/30/2002	2166.0	90.3 lbs/hr	
1/31/2002	2103.0	87.6 lbs/hr	
	39707.0	71.9 lbs/hr	23

February 2002

2/1/2002	764.3	31.8 lbs/hr	
2/5/2002	1920.7	80.0 lbs/hr	
2/6/2002	2034.4	84.8 lbs/hr	
2/7/2002	1959.8	81.7 lbs/hr	
2/8/2002	776.2	32.3 lbs/hr	
2/11/2002	706.4	29.4 lbs/hr	
2/12/2002	1880.4	78.4 lbs/hr	
2/13/2002	1965.1	81.9 lbs/hr	
2/14/2002	2012.4	83.8 lbs/hr	
2/15/2002	744.7	31.0 lbs/hr	
2/25/2002	941.0	39.2 lbs/hr	
2/26/2002	1965.4	81.9 lbs/hr	
2/27/2002	1772.2	73.8 lbs/hr	
2/28/2002	1983.9	82.7 lbs/hr	
	21427.0	63.8 lbs/hr	14

Date	Pounds Burned	Average Rate	Days Active
March 2002			
3/1/2002	921.4	38.4 lbs/hr	
3/4/2002	286.3	11.9 lbs/hr	
3/5/2002	2415.4	100.6 lbs/hr	
3/6/2002	2132.0	88.8 lbs/hr	
3/7/2002	2054.0	85.6 lbs/hr	
3/8/2002	849.0	35.4 lbs/hr	
3/12/2002	1980.2	82.5 lbs/hr	
3/13/2002	2587.4	107.8 lbs/hr	
3/14/2002	1850.7	77.1 lbs/hr	
3/15/2002	784.8	32.7 lbs/hr	
3/18/2002	974.9	40.6 lbs/hr	
3/19/2002	1896.0	79.0 lbs/hr	
3/20/2002	2113.1	88.0 lbs/hr	
3/21/2002	1894.5	78.9 lbs/hr	
3/22/2002	478.7	19.9 lbs/hr	
3/25/2002	284.3	11.8 lbs/hr	
3/26/2002	2670.7	111.3 lbs/hr	
3/27/2002	2666.3	111.1 lbs/hr	
3/28/2002	1991.4	83.0 lbs/hr	
3/29/2002	511.3	21.3 lbs/hr	
	31342.3	65.3 lbs/hr	20
April 2002			
4/2/2002	215.1	9.0 lbs/hr	
4/3/2002	1978.1	82.4 lbs/hr	
4/4/2002	2574.8	107.3 lbs/hr	
4/5/2002	1035.7	43.2 lbs/hr	
4/8/2002	1326.7	55.3 lbs/hr	
4/9/2002	2566.6	106.9 lbs/hr	
4/10/2002	1792.0	74.7 lbs/hr	
4/11/2002	1625.4	67.7 lbs/hr	
4/16/2002	2515.8	104.8 lbs/hr	
4/17/2002	2128.4	88.7 lbs/hr	
4/18/2002	1910.6	79.6 lbs/hr	
4/19/2002	135.5	5.6 lbs/hr	
4/22/2002	41.3	1.7 lbs/hr	
4/23/2002	2436.6	101.5 lbs/hr	
4/24/2002	2747.7	114.5 lbs/hr	
4/25/2002	1802.1	75.1 lbs/hr	
4/26/2002	731.2	30.5 lbs/hr	
4/29/2002	434.6	18.1 lbs/hr	
4/30/2002	2200.5	91.7 lbs/hr	
	30198.6	66.2 lbs/hr	19

Date	Pounds Burned	Average Rate	Days Active
May 2002			
5/1/2002	1962.0	81.7 lbs/hr	
5/2/2002	2068.8	86.2 lbs/hr	
5/3/2002	237.3	9.9 lbs/hr	
5/6/2002	521.9	21.7 lbs/hr	
5/7/2002	1302.7	54.3 lbs/hr	
5/8/2002	2107.5	87.8 lbs/hr	
5/9/2002	1412.7	58.9 lbs/hr	
5/10/2002	874.8	36.4 lbs/hr	
5/13/2002	266.7	11.1 lbs/hr	
5/14/2002	2007.8	83.7 lbs/hr	
5/15/2002	2307.8	96.2 lbs/hr	
5/16/2002	1945.3	81.1 lbs/hr	
5/17/2002	334.8	14.0 lbs/hr	
5/21/2002	2349.8	97.9 lbs/hr	
5/22/2002	2113.0	88.0 lbs/hr	
5/23/2002	2313.1	96.4 lbs/hr	
5/24/2002	881.3	36.7 lbs/hr	
5/28/2002	339.9	14.2 lbs/hr	
5/29/2002	2540.5	105.9 lbs/hr	
5/30/2002	2387.4	99.5 lbs/hr	
5/31/2002	664.0	27.7 lbs/hr	
	30939.0	61.4 lbs/hr	21
June 2002			
6/3/2002	1539.1	64.1 lbs/hr	
6/4/2002	2181.9	90.9 lbs/hr	
6/5/2002	2203.9	91.8 lbs/hr	
6/6/2002	2192.6	91.4 lbs/hr	
6/7/2002	843.8	35.2 lbs/hr	
6/12/2002	1556.6	64.9 lbs/hr	
6/13/2002	1639.1	68.3 lbs/hr	
6/14/2002	717.3	29.9 lbs/hr	
6/17/2002	98.8	4.1 lbs/hr	
6/20/2002	999.5	41.6 lbs/hr	
6/24/2002	1397.6	58.2 lbs/hr	
6/25/2002	2419.3	100.8 lbs/hr	
6/26/2002	1892.7	78.9 lbs/hr	
6/27/2002	1850.8	77.1 lbs/hr	
6/28/2002	2286.4	95.3 lbs/hr	
6/29/2002	2070.9	86.3 lbs/hr	
6/30/2002	2220.5	92.5 lbs/hr	
	28110.8	68.9 lbs/hr	17

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Date	Pounds Burned	Average Rate	Days Active
July 2002			
7/1/2002	2277.5	94.9 lbs/hr	
7/2/2002	2295.8	95.7 lbs/hr	
7/3/2002	565.2	23.6 lbs/hr	
7/8/2002	1437.9	59.9 lbs/hr	
7/9/2002	1903.8	79.3 lbs/hr	
7/10/2002	2322.1	96.8 lbs/hr	
7/11/2002	1812.8	75.5 lbs/hr	
7/12/2002	644.0	26.8 lbs/hr	
7/24/2002	1923.3	80.1 lbs/hr	
7/25/2002	2314.4	96.4 lbs/hr	
7/26/2002	507.8	21.2 lbs/hr	
7/29/2002	303.2	12.6 lbs/hr	
7/30/2002	1951.4	81.3 lbs/hr	
7/31/2002	2019.2	84.1 lbs/hr	
	22278.2	66.3 lbs/hr	14
August 2002			
8/1/2002	2197.1	91.5 lbs/hr	
8/2/2002	420.0	17.5 lbs/hr	
8/5/2002	671.9	28.0 lbs/hr	
8/6/2002	2165.4	90.2 lbs/hr	
8/7/2002	2161.8	90.1 lbs/hr	
8/8/2002	1299.7	54.2 lbs/hr	
8/12/2002	400.7	16.7 lbs/hr	
8/13/2002	2192.4	91.4 lbs/hr	
8/14/2002	2301.6	95.9 lbs/hr	
8/15/2002	2341.4	97.6 lbs/hr	
8/16/2002	649.1	27.0 lbs/hr	
8/19/2002	956.5	39.9 lbs/hr	
8/20/2002	2232.9	93.0 lbs/hr	
8/21/2002	2170.7	90.4 lbs/hr	
8/22/2002	2344.5	97.7 lbs/hr	
8/23/2002	422.8	17.6 lbs/hr	
8/26/2002	1247.1	52.0 lbs/hr	
8/27/2002	2318.6	96.6 lbs/hr	
8/28/2002	2133.6	88.9 lbs/hr	
8/29/2002	2074.7	86.4 lbs/hr	
8/30/2002	637.0	26.5 lbs/hr	
	33339.7	66.2 lbs/hr	21

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Date	Pounds Burned	Average Rate	Days Active
September 2002			
9/3/2002	1414.6	58.9 lbs/hr	
9/4/2002	2456.2	102.3 lbs/hr	
9/5/2002	2004.7	83.5 lbs/hr	
9/16/2002	1630.9	68.0 lbs/hr	
9/17/2002	2596.3	108.2 lbs/hr	
9/18/2002	2102.8	87.6 lbs/hr	
9/19/2002	1667.7	69.5 lbs/hr	
9/20/2002	409.1	17.0 lbs/hr	
9/30/2002	1659.6	69.2 lbs/hr	
	15941.9	73.8 lbs/hr	9
October 2002			
10/1/2002	2724.4	113.5 lbs/hr	
10/2/2002	2373.2	98.9 lbs/hr	
10/3/2002	536.6	22.4 lbs/hr	
10/7/2002	1577.7	65.7 lbs/hr	
10/8/2002	2330.5	97.1 lbs/hr	
10/9/2002	2455.4	102.3 lbs/hr	
10/10/2002	2391.9	99.7 lbs/hr	
10/11/2002	252.1	10.5 lbs/hr	
10/14/2002	1343.6	56.0 lbs/hr	
10/15/2002	2126.1	88.6 lbs/hr	
10/16/2002	2352.8	98.0 lbs/hr	
10/17/2002	1317.2	54.9 lbs/hr	
10/21/2002	1380.5	57.5 lbs/hr	
10/22/2002	2192.5	91.4 lbs/hr	
10/23/2002	2447.0	102.0 lbs/hr	
10/24/2002	2375.5	99.0 lbs/hr	
10/25/2002	292.6	12.2 lbs/hr	
	30469.6	74.7 lbs/hr	17

Date	Pounds Burned	Average Rate	Days Active
November 2002			
11/1/2002	1271.0	53.0 lbs/hr	
11/2/2002	2279.9	95.0 lbs/hr	
11/3/2002	2237.2	93.2 lbs/hr	
11/4/2002	2304.3	96.0 lbs/hr	
11/5/2002	1759.4	73.3 lbs/hr	
11/6/2002	2309.9	96.2 lbs/hr	
11/7/2002	2122.0	88.4 lbs/hr	
11/8/2002	953.1	39.7 lbs/hr	
11/11/2002	1420.2	59.2 lbs/hr	
11/12/2002	2532.4	105.5 lbs/hr	
11/13/2002	2535.3	105.6 lbs/hr	
11/14/2002	2725.9	113.6 lbs/hr	
11/15/2002	90.3	3.8 lbs/hr	
11/18/2002	1154.5	48.1 lbs/hr	
11/19/2002	2886.0	120.3 lbs/hr	
11/20/2002	2715.8	113.2 lbs/hr	
11/21/2002	3060.1	127.5 lbs/hr	
11/22/2002	2905.7	121.1 lbs/hr	
11/23/2002	2869.2	119.6 lbs/hr	
11/24/2002	3090.3	128.8 lbs/hr	
11/25/2002	3072.8	128.0 lbs/hr	
11/26/2002	3113.5	129.7 lbs/hr	
11/27/2002	1367.6	57.0 lbs/hr	
	50776.5	92.0 lbs/hr	23
December 2002			
12/3/2002	2166.2	90.3 lbs/hr	
12/4/2002	2625.7	109.4 lbs/hr	
12/5/2002	2020.1	84.2 lbs/hr	
12/6/2002	1263.8	52.7 lbs/hr	
12/9/2002	1284.9	53.5 lbs/hr	
12/10/2002	2735.1	114.0 lbs/hr	
12/11/2002	2238.6	93.3 lbs/hr	
12/12/2002	2446.6	101.9 lbs/hr	
12/13/2002	480.0	20.0 lbs/hr	
12/16/2002	1216.7	50.7 lbs/hr	
12/17/2002	2255.5	94.0 lbs/hr	
12/18/2002	2524.1	105.2 lbs/hr	
12/19/2002	640.2	26.7 lbs/hr	
	23897.6	76.6 lbs/hr	13
Grand Total For Year	358428.3		

BENTON CLEAN AIR AUTHORITY
2002 Request for Air Emissions Information

Plant Number: J - 005 - 0027 FRAMATOME ANP, INC

Section 1: Facility Information

(Is the following complete and accurate? If not, correct any errors and provide any missing information.)

ADDRESS, PHYSICAL AND MAILING

Physical Addr: 2101 HORN RAPIDS RD
(no PO Box) RICHLAND, WA 99352

Mailing 2101 HORN RAPIDS RD
Address: RICHLAND, WA 99352

Universal Business Identifier (UBI): 600006226

TECHNICAL CONTACT

Name: JIM PERRYMAN
Phone Number: (509)375-8452

Fax: (509)375-8202
e-mail: Jim.Perryman@nfuel.com
James.Perryman@Framatome-anp.com

PRIMARY STANDARD INDUSTRIAL PROCESS (SIC) CODE (one only)

SIC	Industry Type
2819	INDUSTRIAL INORGANIC CHEMICALS, NEC

GEOGRAPHIC COORDINATES (Facility Front Door)

UTM Horizontal (km): 323 Vertical: 5135.2 Zone: 11
Or
Latitude: N 46° 20' 56" Longitude: W 119° 18' 1"

CERTIFICATION OF DATA ACCURACY

Consistent with state law, the data presented here is accurate to the best of my knowledge. (Please submit this signed page with any electronic submissions.)

Jim Perryman
Print Name

Env. Engineer
Title

Jim Perryman
Signature

4/3/03
Date

Plant Number: J - 005 - 0027 FRAMATOME ANP, INC

Section 2: Emission Point Information

(Is the following complete and accurate? If not, correct any errors and provide any missing information.)

Emission Point No: 01 Description: DISSOLVING UO_x IN NITRIC ACID
STACK K-56

Boiler Design Capacity (if applicable) in MMBTUs:

POINT STANDARD INDUSTRIAL PROCESS (SIC) CODE (one only)

SIC	Industry Type
2819	INDUSTRIAL INORGANIC CHEMICALS, NEC

POINT GEOGRAPHIC COORDINATES

UTM Horizontal (km):	323	Vertical:	5135.2	Zone:	11
Or					
Latitude: N	46° 20' 58"	Longitude: W	119° 18' 1"		

POINT OPERATING SCHEDULE (Quarterly throughput must equal 100 or 0 if not operating)

	<u>2001</u>	<u>2002</u>			<u>2001</u>	<u>2002</u>
Jan - Mar:	28	<u>32</u>	%	Hrs/Day	24	<u>24</u>
Apr - Jun:	24	<u>13</u>	%	Days/Wk:	4	<u>4</u>
Jul - Sep:	20	<u>19</u>	%	Wks/Yr:	50	<u>50</u>
Oct - Dec:	28	<u>36</u>	%			
	100	100	%			

STACK PARAMETERS (if applicable)

	<u>2001</u>	<u>2002</u>		<u>2001</u>	<u>2002</u>	
Temperature:	80	<u>80</u>	°F	Flow Rate:	600	<u>619</u> ACFM
Water Vapor:	2	<u>2</u>	%	Oxygen, Dry:		%
Height:	50	<u>50</u>	ft	Plume Height:		ft
Diameter:	0.67	<u>0.67</u>	ft	(if no stack)		

CONTROL EQUIPMENT (Please associate with the proper segments on next page(s))

Code*	Description
002	WET SCRUBBER - MEDIUM EFFICIENCY
099	MISCELLANEOUS CONTROL DEVICES

* A list of valid codes may be found at <http://www.ecy.wa.gov/programs/air/emisinv.htm>

Plant Number: J - 005 - 0027 FRAMATOME ANP, INC

Point Number: 01 DISSOLVING UO_x IN NITRIC ACID

Section 3: Emissions from Segments Information (Please use one page for each segment)

(Is the following complete and accurate? If not, correct any errors and provide any missing information.)

SCC Code: 30405099 Segment Number: 01

Miscellaneous Casting And Fabricating

Process Information

Material (in EACH) 2001 2002
42 16

Insignificant Emissions Unit? (Y/N): N

Comments: _____

Confidentiality: Is process data confidential (see RCW 70.94.205)? _____ Yes X No

CRITERIA POLLUTANT EMISSIONS (Specify in tons per year)

Criteria Pollutant	Emissions		Estimation Code*	Control Equip. Code		Control Efficiency (%)
	2001	2002		Primary	Secondary	
Particulate Total	0	0	5	099		99.95
PM ₁₀	0	0	5	099		99.95
PM _{2.5}	0	0		099		
SO ₂	0	0				
NO _x	1	0.26	1	002		80
VOC, (reported as _____)	0	0				
CO	0	0				

TOXIC POLLUTANT EMISSIONS (Specify in pounds per year)

Toxic Pollutant	CAS #	Emissions		Est. Code*
		2001	2002	
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

* A list of valid codes may be found at <http://www.ecy.wa.gov/programs/air/emisinv.htm>

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Plant Number: J - 005 - 0027 FRAMATOME ANP, INC

Section 2: Emission Point Information

(Is the following complete and accurate? If not, correct any errors and provide any missing information.)

Emission Point No: 02 Description: DISSOLVING UO_x IN NITRIC ACID
STACK K-32

Boiler Design Capacity (if applicable) in MMBTUs:

POINT STANDARD INDUSTRIAL PROCESS (SIC) CODE (one only)	
SIC	Industry Type
2819	INDUSTRIAL INORGANIC CHEMICALS, NEC

POINT GEOGRAPHIC COORDINATES	
UTM Horizontal (km): 323	Vertical: 5135.2 Zone: 11
Or	
Latitude: N 46° 20' 58"	Longitude: W 119° 18' 1"

POINT OPERATING SCHEDULE (Quarterly throughput must equal 100 or 0 if not operating)					
	2001	2002		2001	2002
Jan - Mar:	18	<u>46</u>	%	Hrs/Day	24 <u>24</u>
Apr - Jun:	23	<u>11</u>	%	Days/Wk:	7 <u>7</u>
Jul - Sep:	30	<u>29</u>	%	Wks/Yr:	40 <u>38</u>
Oct - Dec:	29	<u>14</u>	%		
	100	100	%		

STACK PARAMETERS (if applicable)					
	2001	2002		2001	2002
Temperature:	92	<u>92</u>	°F	Flow Rate:	2800 <u>2650</u> ACFM
Water Vapor:	4	<u>4</u>	%	Oxygen, Dry:	_____ %
Height:	77	<u>77</u>	ft	Plume Height:	_____ ft
Diameter:	1.67	<u>1.67</u>	ft	(if no stack)	

CONTROL EQUIPMENT (Please associate with the proper segments on next page(s))	
Code*	Description
002	WET SCRUBBER - MEDIUM EFFICIENCY
099	MISCELLANEOUS CONTROL DEVICES

* A list of valid codes may be found at <http://www.ecy.wa.gov/programs/air/emisinv.htm>

Plant Number: J - 005 - 0027 FRAMATOME ANP, INC

Point Number: 02 DISSOLVING UO_x IN NITRIC ACID

Section 3: Emissions from Segments Information (Please use one page for each segment)

(Is the following complete and accurate? If not, correct any errors and provide any missing information.)

SCC Code: 30405099 Segment Number: 01

Miscellaneous Casting And Fabricating

Process Information

Material (in EACH) 2001 2002
71 41

Insignificant Emissions Unit? (Y/N): N

Comments: _____

Confidentiality: Is process data confidential (see RCW 70.94.205)? _____ Yes X No

CRITERIA POLLUTANT EMISSIONS (Specify in tons per year)

Criteria Pollutant	Emissions		Estimation Code*	Control Equip. Code		Control Efficiency (%)
	2001	2002		Primary	Secondary	
Particulate Total	0	0	5	099		99.95
PM ₁₀	0	0	5	099		99.95
PM _{2.5}	0	0		099		
SO ₂	0	0				
NO _x	1	1.1	1	002		80
VOC, (reported as _____)	0	0				
CO	0	0				

TOXIC POLLUTANT EMISSIONS (Specify in pounds per year)

Toxic Pollutant	CAS #	Emissions		Est. Code*
		2001	2002	
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

* A list of valid codes may be found at <http://www.ecy.wa.gov/programs/air/emisinv.htm>

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