

Opacity Limits for Production Engineering Lab			
Process	Unit	Building	Opacity Limit
Pilot Production Line	Baghouse	32-510	5%
	4 Dust Collectors	32-520	5%
	Bowl Mixer HEPA Filter	32-510	5%
Pilot Glatt Process	Baghouse	32-720	20%

PEL-4. Weekly observations of the above listed sources shall be conducted by a person familiar with emissions from each source when the source is in operation. If any visible emissions are detected, the permittee shall take immediate action to identify and correct the cause of the visible emissions. After corrective action has been taken, another observation of the opacity from the affected source shall be conducted in order to confirm that visible emissions are no longer present. Records of all visible emissions observations and any corrective action taken shall be kept on site and made available to Department personnel upon request. If the source is not operating, a note shall be made in the records stating such. [§18.1003 of Regulation 18 and A.C.A. §4-203 as referenced by §8-4-304 and §8-4-311]

Comment
Send
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PEL-5. The permittee shall comply with the following daily and rolling 12-month material usage limits at the Production Engineering Laboratory (Buildings 32-510, 32-520, 32-550, and 32-570). [§19.705 of Regulation 19, 40 CFR Part 70.6, §18.1004 of Regulation 18 and A.C.A. §8-4-203 as referenced by §8-4-304 and §8-4-311]

Material	Max. Daily Throughput Limit	Max. Rolling 12-Month Throughput Limit	Max. Total	Max. Content Limit(s)
Acetone	1000 lb/day	1000 lb/yr	6.64 lb/gal	100% by weight
Dry Materials	12,000 lb/day	25,000 lb/yr	N/A	N/A

PEL-6. The permittee shall maintain daily and monthly records of material throughput and supporting MSDS data to demonstrate compliance with the limits outlined in the table above. The daily records shall be updated by noon of the day following the recorded day. The monthly records shall be updated by the 15th day of the month following the last recorded month, and shall indicate a rolling 12-month total of each material type. The records shall be kept on site and made available to Department personnel upon request. The rolling 12-month records, including monthly totals, shall be submitted in accordance with the requirements of General Provision 7. [§19.705 of Regulation 19, 40 CFR Part 52, Subpart E, §18.1004 of Regulation 18 and A.C.A. §8-4-203 as referenced by §8-4-304 and §8-4-311]

**SN-32-510, SN-32-520, SN-32-550, SN-32-720
Production Engineering Lab**

Source Description

Product and process development is performed at the Production Engineering Lab (PEL) Complex and consists of experimentation with various mix "recipes" and mixing methods for new pyrotechnic mixes and new and improved mixing processes. Operations also include experimentation and/or testing of various munitions components and limited production activities and associated QA/QC procedures. Operations in this area are similar to those in the Ammunition Operations areas, but on a much smaller scale.

Specific Conditions

- PEL-1. The permittee shall not exceed the emission rates set forth in the following table. The permittee shall demonstrate compliance with this condition by compliance with Specific Condition PEL-5 and Plantwide Condition 13. [Regulation 19, §19.501 et seq. and 40 CFR Part 52, Subpart E]

Pollutant	lb/hr	tpy
PM ₁₀	0.1	0.1
VOC	25.4	249.4*

*PBA Arsenal Production VOC limit.

- PEL-2. The permittee shall not exceed the emission rates set forth in the following table. The permittee shall demonstrate compliance with this condition by compliance with Specific Condition PEL-5 and Plantwide Condition 12. [Regulation 18, §18.801, and A.C.A. §8-4-203 as referenced by A.C.A. §8-4-304 and §8-4-311]

Pollutant	lb/hr	tpy
PM	0.1	0.1
Acetone	50.0	0.50
Any Single HAP	25.4	8.4*
Any Combination of HAPs	25.4	18.7*

*PBA Arsenal Production HAP limits.

- PEL-3. The permittee shall not exceed the opacity limits set forth in the following table. [§18.501 of the Arkansas Air Pollution Control Code (Regulation 18) and A.C.A. §8-4-203 as referenced by §8-4-304 and §8-4-311]