

Internal Use Only	
APP ID: APCD 2018	-APP/CER- 005657
SITE ID: APCD 2003	-SITE- 04824

GENERAL PERMIT OR REGISTRATION APPLICATION FORM



Submittal of this application does not grant permission to construct or to operate equipment except as specified in Rule 24(c).

REASON FOR SUBMITTAL OF APPLICATION:

- | | | |
|--|---|--|
| <input type="checkbox"/> New Installation | <input type="checkbox"/> Existing Unpermitted Equipment or Rule 11 Change | <input type="checkbox"/> Modification of Existing Permitted Equipment |
| <input type="checkbox"/> Amendment to Existing Authority to Construct or Application | <input type="checkbox"/> Change of Equipment Location | <input type="checkbox"/> Change of Equipment Ownership (please provide proof of ownership) |
| <input type="checkbox"/> Change of Permit Conditions | <input type="checkbox"/> Change Permit to Operate Status to Inactive | <input type="checkbox"/> Banking Emissions |
| <input type="checkbox"/> Registration of Portable Equipment | <input checked="" type="checkbox"/> Other (Specify) Initial Title V Application | |

List affected APP/PTO Record ID(s): 979270

APPLICANT INFORMATION

Name of Business (DBA) Hanson Aggregates Pacific Southwest, Inc.

Does this organization own or operate any other APCD permitted equipment at this or any other adjacent locations? ☒ Yes ☐ No

If yes, list assigned Site Record IDs listed on your Permits APCD2003-SITE-04824

Name of Legal Owner (if different from DBA)

Equipment Owner	Authority to Construct Mailing Address
Name: Hanson Aggregates Pacific Southwest, Inc.	Name: Same
Mailing Address: P.O. Box 639069	Mailing Address:
City: San Diego State: CA Zip: 92163-9069	City: State: Zip:
Phone: (760) 802-5365	Phone: ()
E-Mail Address: Ron.Thompson@lehighhanson.com	E-Mail Address:

Permit To Operate Mailing Address	Invoice Mailing Address
Name: Same	Name: Same
Mailing Address:	Mailing Address:
City: State: Zip:	City: State: Zip:
Phone: ()	Phone: ()
E-Mail Address:	E-Mail Address:

EQUIPMENT/PROCESS INFORMATION: Type of Equipment: ☒ Stationary ☐ Portable, if portable please enter below the equipment storage address. If portable, will operation exceed 12 consecutive months at the same location ☐ Yes ☐ No

Equipment Location Address 8514 Mast Boulevard City Santee State: CA

Parcel No. Zip 92071 Phone (760) 802-5365 E-mail: Ron.Thompson@lehighhanson.com

Site Contact Ron Thompson Phone ()

General Description of Equipment/Process Aggregate Crushing & Screening

Application Submitted by ☒ Owner ☐ Operator ☐ Contractor ☐ Consultant Affiliation

EXPEDITED APPLICATION PROCESSING: ☐ I hereby request Expedited Application Processing and understand that:

a) Expedited processing will incur additional fees and permits will not be issued until the additional fees are paid in full (see Rule 40(d)(8)(iv) for details) b) Expedited processing is contingent on the availability of qualified staff c) Once engineering review has begun this request cannot be cancelled d) Expedited processing does not guarantee action by any specific date nor does it guarantee permit approval.

I hereby certify that all information provided on this application is true and correct.

SIGNATURE Date 12/17/18

Print Name Aaron Lund Company Hanson Aggregates Pacific Southwest, Inc.

Phone (858) 715-5667 E-mail Address Aaron.Lund@LehighHanson.com

CHECK # 21479852

Internal Use Only

Date 12/18/2018	Staff Initials: cm	Amt Rec'd \$ 5075	Fee Schedule TVP = 5075 ETM
RNP: 0	EMF: 0	NBF: 105 TA: 0	GEN_APP_Form_Rev Date: Aug. 2017

San Diego County Air Pollution Control District
10124 Old Grove Road San Diego CA 92131-1649
(858) 586-2600 FAX (858) 586-2601

TITLE V APPLICATION
Stationary Source Summary (FORM 1401-A1)

Company Name Hanson Aggregates Pacific Southwest, Inc.	District Use Only NEDS # _____ SITE ID # _____
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I. FACILITY IDENTIFICATION

- Facility Name (if different than company name): _____
- Four digit SIC Code: 1442
- Parent Company (if different than Company Name): _____
- Mailing Address: P.O. Box 639069
City San Diego State CA Zip 92163-9069
- Street Address or Source Location: 8514 Mast Boulevard
City CA State CA Zip 92701
- UTM Coordinates: 11 N 497386 3636321
- Source Located within 50 miles of a state line: ☒ Yes ☐ No (All sources are within 50 miles)
- Source Located within 1000 feet of a school: ☐ Yes ☒ No
- Type of Organization: ☒ Corporation ☐ Sole Ownership ☐ Government
☐ Partnership ☐ Utility Company
- Legal Owner's Name: Hanson Aggregates Pacific Southwest, Inc.
- Owner's Agent name (if any): _____
- Responsible Official: Ian Firth
- Plant Site Manager/Contact: Ron Thompson Phone #: (760) 802-5365 FAX #: _____
- Application Contact: Aaron Lund
- Type of Facility: Construction Aggregates
- General description of processes/products: Aggregates crushing and screening plant
- Is a Federal Risk Management Plan (RMP) pursuant to Section 112(r) required? ☐ Yes ☒ No
(If application is submitted after RMP due date, attach verification that plan is registered with the appropriate agency.)

II. TYPE OF PERMIT ACTION (check)	CURRENT PERMIT (permit number)	EXPIRATION (date)
<input checked="" type="checkbox"/> Initial Title V Application	N/A	N/A
<input type="checkbox"/> Permit Renewal		
<input type="checkbox"/> Significant Permit Modification		
<input type="checkbox"/> Minor Permit Modification		
<input type="checkbox"/> Administrative Amendment		

III. DESCRIPTION OF PERMIT ACTION

- Does the permit action requested involve: ☐ Temporary Source ☐ Voluntary Emissions Caps
☐ Acid Rain Source ☐ Alternative Operating Scenarios ☐ Abatement Devices
☐ CEMs ☐ Permit Shield
☐ Outdated SIP Requirement Streamlining ☐ Multiple Applicable Requirement Streamlining
☐ Source Subject to MACT Requirements [Section 112]
☐ Source Subject to Enhanced Monitoring (40CFR64) [Compliance Assurance Monitoring]
- Is source operating under a Compliance Schedule? ☐ Yes ☒ No ☐ Proposed
- Is source operating under a Variance ☐ Yes ☒ No (If Yes, please attach variance information)
- For permit modification, provide a general description of the proposed permit modification:

IV. SUPPLEMENTAL ATTACHMENTS*: CAM applicability calculations, application forms, and application fees

* Means all attachments to the complete application.

San Diego County Air Pollution Control District
10124 Old Grove Road San Diego CA 92131-1649
(858) 586-2600 FAX (858) 586-2601

TITLE V APPLICATION
Stationary Source Summary (FORM 1401-A2)

Company Name	District Use Only
Hanson Aggregates Pacific Southwest, Inc.	NEDS # _____ SITE ID # _____

I. MAJOR SOURCE APPLICABILITY

Check appropriate pollutant(s) for which you are a Major Source under Title V. Applicability is based on potential to emit.
If more space is necessary, use additional forms. Please type or print legibly.

POLLUTANT	MAJOR SOURCE THRESHOLD TOTAL EMISSIONS, TPY	(check if appropriate)
VOC	100	<input type="checkbox"/>
PM ₁₀	100	<input type="checkbox"/>
SO ₂	100	<input type="checkbox"/>
NO _x	100	<input type="checkbox"/>
CO	100	<input type="checkbox"/>
ODC	100	<input type="checkbox"/>
LEAD COMPOUNDS	10	<input type="checkbox"/>
HAZARDOUS AIR POLLUTANTS		
SINGLE HAP	10	<input type="checkbox"/>
		<input type="checkbox"/>
		<input type="checkbox"/>
COMBINATION HAP	25	<input type="checkbox"/>
		<input type="checkbox"/>
		<input type="checkbox"/>
		<input type="checkbox"/>

Attach all necessary calculations to this form as applicable. NOTE: Calculations are only needed if no Emission Inventory is on file with the District

Reference _____
Signature of Responsible Official _____
Ian Firth
Print Name of Responsible Official
Vice President General Manager
Title of Responsible Official

Inventory Year _____
Date 12/13/18.
(858) 715-5699
Telephone No. of Responsible Official

II. EMISSIONS CALCULATIONS ATTACHED (as needed)

☐ Yes ☒ No

DISTRICT USE ONLY

Date Application Received: _____ Application # _____
Application Filing Fee: _____ District Received Stamp: _____
Receipt #: _____ Fee Code: _____

San Diego County Air Pollution Control District
10124 Old Grove Rd., San Diego, CA 92131
(858) 586-2600 FAX (858) 586-2601

TITLE V APPLICATION
Insignificant Activity List (FORM 1401-G)

<p style="text-align: center;">Company Name</p> <p><u>Hanson Aggregates Pacific Southwest, Inc.</u></p>	<p style="text-align: center;">District Use Only</p>
<p>Facility Address: <u>8514 Mast Boulevard, Santee, CA 92071</u></p>	<p>NEDS # <u> </u></p> <p>SITE ID # <u> </u></p>

LIST OF EQUIPMENT – INSIGNIFICANT ACTIVITIES

Place a check mark in the appropriate box for equipment that is considered an insignificant activity based on throughput or equipment capacity.

Exemptions based on Size (Capacity)

<u>(Condensed Language of Rule)</u>	<u>Appendix A Citation</u>
<input checked="" type="checkbox"/> Stationary & portable internal combustion engines with ≤ 50 bhp output rating	(d)(1)(iii)
<input type="checkbox"/> Stationary gas turbines with a power rating of < 0.3 megawatt (MW) or a maximum gross heat input rating of 1 million BTUs per hour	(d)(1)(iv)
<input type="checkbox"/> Water cooling towers & ponds with a capacity < 10,000 gal/min not used for evaporative cooling of process water or not used for evaporative cooling of water, contaminated water or industrial waste water from barometric jets or from barometric condensers.	(d)(2)
<input type="checkbox"/> Fuel-burning equipment with a maximum gross heat input rate of < 1 million Btu/hour when not part of a process, process line, line, equipment, article, machine or other contrivance for which a permit to operate is required by these Rules and Regulations	(d)(4)(i)
<input type="checkbox"/> Fuel burning equipment with a maximum gross heat input of < 20 million Btu/hour, and fired exclusively with natural gas and/or liquefied petroleum gas	(d)(4)(ii)
<input type="checkbox"/> Steam boilers, process heaters, and steam generators with a maximum gross heat input of < 5 million Btu/hour	(d)(4)(iii)
<input type="checkbox"/> Crucible-type or pot-type furnaces with a brimful capacity of < 450 in ³ of any molten metal	(d)(12)
<input type="checkbox"/> Crucible, pot or induction furnaces with a capacity of ≤ 2500 in ³ , in which no sweating or distilling is conducted and from which only non-ferrous metals except yellow brass, are poured or non-ferrous metals are held in a molten state	(d)(13)
<input type="checkbox"/> Dry batch mixers with ≤ 0.5 cubic yards rated working capacity	(d)(27)
<input type="checkbox"/> Batch mixers (wet) with ≤ 1 cubic yard capacity where no organic solvents, diluents or thinners are used.	(d)(28)
<input type="checkbox"/> Roofing kettles (used to heat asphalt) with a capacity of ≤ 85 gallons	(d)(33)
<input type="checkbox"/> Abrasive blasting equipment with a manufacturer's-rated sand capacity of < 100 lbs or < 1 ft ³	(d)(34)
<input type="checkbox"/> Paper shredders and paper disintegrators that have a capacity of 600 pounds per hour or less, and the associated conveying systems and baling equipment.	(d)(41)
<input type="checkbox"/> Ovens having an internal volume of ≤ 27 ft ³ in which organic solvents or materials containing organic solvents are charged	(d)(59)
<input type="checkbox"/> Cold solvent cleaning tanks, vapor degreasers, and paint stripping tanks with a liquid surface area of ≤ 1.0 ft ²	(d)(61)(i)
<input type="checkbox"/> Cold solvent cleaning tanks, vapor degreasers, and paint stripping tanks which have a maximum capacity of ≤ 1 gallon	(d)(61)(ii)

TITLE V APPLICATION Insignificant Activity List (FORM 1401-G)
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Continued - Exemptions based on Size (Capacity)

	<u>(Condensed Language of Rule)</u>	<u>Appendix A Citation</u>
<input checked="" type="checkbox"/>	Stationary organic compound storage tanks with a capacity of ≤ 250 gallons	(e)(1)
<input type="checkbox"/>	Liquid surface coating application operations using hand-held brushes for application of a primer coating from containers of \leq eight (8) ounces in size, to fasteners to be installed on aerospace parts	(h)(5)
<input type="checkbox"/>	Liquid surface coating application operations using air brushes with a coating capacity of ≤ 2 ounces for the application of a stencil coating	(h)(6)
<input type="checkbox"/>	Metal inspection tanks that: a) do not utilize a suspension of magnetic or fluorescent dye particles in volatile organic solvent, and b) have a liquid surface area $< 5 \text{ ft}^2$ and c) are not equipped with spray type flow or a means of solvent agitation	(o)(5)
<input type="checkbox"/>	Bakery ovens used for baking yeast leavened products where the combined rated heat input capacity is < 2 million Btu/hr	(o)(37)

Exemptions based on Production Rates (Emission Limits)

<input type="checkbox"/>	Printing or graphic arts presses located at a stationary source which emits a total of < 15 lbs/day of VOC's subject to Rule 67.16, on each day of operation	(d)(7)
<input type="checkbox"/>	Solder levelers, hydrosqueegees, wave solder machines, and drag solder machines which use < 10 lbs/day of any material containing VOCs	(d)(23)
<input type="checkbox"/>	Fire extinguishing equipment, using halons with a charge of < 50 lbs. of a Class I or Class II ozone depleting compound.	(d)(31)
<input type="checkbox"/>	Coffee roasting equipment with a manufacturer's rating of ≤ 15 lbs/hr Equipment used to manufacture bio-agricultural products for exclusive use in field testing required to obtain FDA, EPA, USDA and /or Cal-EPA approval, provided the uncontrolled emissions of VOCs from all such operations < 5 ton/yr.	(d)(45) (d)(49)(iii)
<input type="checkbox"/>	Oil quenching tanks which use < 20 gal/yr of make-up oil	(d)(56)
<input type="checkbox"/>	Equipment that is used to conduct research and develop new or improved processes/products, and is operated by technically trained personnel under the supervision of a research director, and is not used in the manufacture of products for sale or exchange for commercial profit, and all emissions are < 15 lbs/day.	(d)(48)
<input type="checkbox"/>	Powder coating operations, except metalizing gun operations, where surface preparation or cleaning solvent usage is < 0.5 gal/day	(d)(62)
<input type="checkbox"/>	Equipment used to transfer fuel to & from amphibious ships for maintenance purposes, provided total annual transfers $< 60,000$ gal/yr.	(f)(2)
<input type="checkbox"/>	Stationary storage tanks (excluding tanks subject to Rule 61.9) used exclusively for the storage of liquid organic solvents used as dissolvers, viscosity reducers, reactants, extractants, cleaning agents or thinners provided that emissions < 15 lbs/day.	(e)(3)
<input type="checkbox"/>	Liquid surface coating or adhesive application operations (portable or stationary) where not more than 20 gallons per year of material containing organic compounds are applied	(h)(1)
<input type="checkbox"/>	Liquid surface coating application operations exclusively using materials with a VOC content of $< 20 \text{ g/L}$ where < 30 gal/day of such materials are applied.	(h)(2)
<input type="checkbox"/>	Foam manufacturing or application operations which emit < 5 lbs/day of VOCs	(i)(1)
<input type="checkbox"/>	Reinforced plastic fabrication operations using resins such as epoxy and/or polyester which emit < 5 lbs/day of VOCs	(i)(2)
<input type="checkbox"/>	Plastics manufacturing or fabrication operations which emit < 5 lbs/day of VOCs	(i)(3)
<input type="checkbox"/>	Cold solvent degreasers used for educational purpose and which emit < 5 lbs/day of VOCs	(i)(4)

TITLE V APPLICATION
Insignificant Activity List (FORM 1401-G)

- | | | |
|-------------------------------------|---|-------------|
| <input type="checkbox"/> | Golf grip application stations which exclusively use liquid materials with an initial boiling point of 450°F (232°C), or greater and which emit < 5 lbs/day of VOCs. | (i)(5) |
| <input type="checkbox"/> | Batch-type waste-solvent recovery stills with batch capacity of ≤ 7.5 gallons for onsite recovery provided the still is equipped with a safety device & VOC emissions are < 5 lbs/day | (i)(6) |
| <input type="checkbox"/> | Peptide and DNA synthesis operations which emit < 5 lbs/day of VOCs | (i)(7) |
| <input type="checkbox"/> | Equipment used for washing or drying articles fabricated from metal, cloth, fabric or glass, provided that no organic solvent is employed in the process and that no oil or solid fuel is burned and none of the products being cleaned has residues of organic solvent and VOC emissions are < 5 lbs/day | (i)(8) |
| <input type="checkbox"/> | Hot wire cutting of expanded polystyrene foam which emit < 5 lbs/day of VOCs. | (i)(9) |
| <input type="checkbox"/> | Any coating and/or ink manufacturing operations located at a stationary source, which emit < 15 lbs/day of VOCs. | (o)(9) |
| <input type="checkbox"/> | Any operation producing materials for use in cosmetic or pharmaceutical products and/or manufacturing cosmetic or pharmaceutical products by chemical processes, which emit < 15 lbs/day of VOCs | (o)(12) |
| <input checked="" type="checkbox"/> | Refrigeration units except those used as, or with, air pollution control equipment with a charge of < 50 lbs of a Class I or II ozone depleting compound. | (o)(18) |
| <input type="checkbox"/> | Atmospheric organic gas sterilizer cabinets where ethylene oxide emissions are < 5 lbs/yr | (o)(28) |
| <input type="checkbox"/> | Aerosol can puncturing/crushing operations which vents all emissions through a properly operated/maintained carbon canister, provided < 500 cans/day are processed. | (o)(29)(ii) |
| <input type="checkbox"/> | Solvent wipe cleaning operations using a container applicator that minimizes emissions to the air where the uncontrolled emissions of VOCs < 5 ton/yr, or the total purchase of solvents < 1,500 gal/yr, or the total purchase of solvents containing a single HAP < 350 gal/yr. | (o)(32) |
| <input type="checkbox"/> | Equipment approved for use by the EPA for recovering and/or recycling CFCs provided such equipment is charged with < 50 lbs. of a Class I or II ozone depleting compound. | (o)(33) |
| <input type="checkbox"/> | Stationary IC engines rated at ≤ 200 bhp installed and operated before November 15, 2000, which operate < 200 hr/yr. | (o)(34)(ii) |

San Diego County Air Pollution Control District
10124 OLD GROVE ROAD SAN DIEGO CA 92131-1649
(858) 586-2600 FAX (858) 586-2601

TITLE V APPLICATION
Applicable Requirements Summary Checklist (FORM 1401-H1)

<p>Company Name</p>	<p>District Use Only</p>
<p>Hanson Aggregates Pacific Southwest, Inc.</p>	<p>NEDS # _____ SITE ID # _____</p>

APPLICABLE REQUIREMENTS: Applicable requirements which apply to an entire facility are listed first. The applicant should check appropriate boxes on the form and attach emission unit specific permit number lists where necessary. Where streamlining is employed, note on this form. If information does not fit in the space allotted, attach documentation and reference it on this form. **Type or print legibly.**

[illegible]

TITLE V APPLICATION
Applicable Requirements Summary Checklist (FORM 1401-H1) - continued

RULE	RULE DESCRIPTION	Test Method or Rule Section	Monitoring, Records, Rule Section	Facility	Crushers	Belt Conveyors	Screens											Future Effective Date
67.6	Solvent Cleaning Operation	(f)																
67.6.1	Cold Solvent Cleaning and Stripping Operations	(g)	(f)															
67.7	Cutback & Emulsified Asphalt	(f)	(e)															
67.9	Aerospace Coating Operations	(g)	(f)															
67.10	Kelp Processing and Bio-Polymer Mfg.	(f)	(e)															
67.11	Wood Products Coating Operations (not in SIP)																	

RULE	RULE DESCRIPTION	Test Method or Rule Section	Monitoring, Records, Rule Section	Facility	Crushers	Belt Conveyors	Screens											Future Effective Date
67.12	Polyester Resin Operations	(g)	(f)															
67.15	Pharmaceutical & Cosmetic Manufacturing	(e)																
67.16	Graphic Arts Operations	(g)	(f)															
67.17	Open VOC Containers	(e)		X														
67.18	Marine Coating Operations	(g)	(f)															
67.19	Coating and Printing Inks Mfg. Operations	(g)	(f)															
67.20	Motor Vehicle & Mobile Equipment Refinishing Operations																	
67.21	Adhesive Material Application Operations																	
67.22	Expandable Polystyrene Foam Products Manufacturing Operations (not in SIP)																	
67.24	Bakery Ovens	(f)	(e)															
68	Fuel Burning Equipment - NOx																	
69.2	Boilers	(f)	(e) & (g)															
69.3	Stationary Gas Turbine Engines - RACT	(f)	(e) & (g)															
69.3.1	Stationary Gas Turbine Engines - BARCT (not in SIP)	(f)	(e) & (g)															
69.4	Stationary Internal Combustion Engines - RACT	(f)	(e)															
69.4.1	Stationary Internal Combustion Engines - BARCT (not in SIP)	(f)	(e)															
70	Orchard Heaters																	

TITLE V APPLICATION
Applicable Requirements Summary Checklist (FORM 1401-H1) - continued

RULE	RULE DESCRIPTION	Test Method or Rule Section	Monitoring, Records, Reports, Rule Section	Facility	Crushers	Belt Conveyors	Screens											Future Effective Date
K	Standards of Performance for Storage Vessels for Petroleum Liquids Constructed after June 11, 1973 and Prior to May 19, 1978		260.113															
Ka	Standards of Performance for Storage Vessels for Petroleum Liquids Constructed after May 18, 1978	260.113a	260.115a															
Kb	Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) for which Construction, Reconstruction, or Modification Commenced after July 23, 1984	260.113b	260.115b 260.116b															

Subpart

L	Standards of Performance for Secondary Lead Smelters	260.123																
M	Standards of Performance for Secondary Brass and Bronze Ingot Production Plants	260.133																
O	Standards of Performance for Sewage Treatment Plants	260.154	260.153															
DD	Standards of Performance for Grain Elevators	260.303																
EE	Standards of Performance for Surface Coating Metal Furniture	260.313 260.316	260.314 260.315															
GG	Standards of Performance for Stationary Gas Turbines	260.335 260.433	260.334															
QQ	Standards of Performance for the Graphic Arts Industry: Publication Rotogravure Printing	260.435	260.434															
RR	Standards of Performance for the Pressure Sensitive Tape and Label Surface Coating Operations	260.444 260.446	260.445 260.447															
SS	Standard of Performance for the Industrial Surface Coating Large Appliances	260.453 260.456	260.454 260.455															
TT	Standards of Performance for Metal Coil Surface Coating	260.463 260.466	260.464 260.465															
BBB	Standards of Performance for the Rubber Tire Manufacturing Industry	260.543 260.547	260.544 260.545 260.546															
FFF	Standards of Performance for Flexible Vinyl and Urethane Coating and Printing		260.584 260.585															
JJJ	Standards of Performance for Petroleum Dry Cleaners	260.583																

TITLE V APPLICATION
Applicable Requirements Summary Checklist (FORM 1401-H1) - continued

SUBPART	New Source Performance Standards (40 CFR 60)															
Cb, F	Portland Cement Plants															
Dc	Small Industrial -Commercial -Institutional Steam Generators >10 MM Btu but <100 MM Btu.															
Ea	Municipal Waste Combustors															
G	Nitric Acid Plants															
H & Cb	Sulfuric Acid Plants															

RULE	RULE DESCRIPTION	Test Method or Rule Section	Monitoring, Records, Reports, Rule Section	Facility	Crushers	Belt Conveyors	Screens									Future Effective Date
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Subpart																
N	Oxygen Process Furnaces															
Na	Oxygen Process Steelmaking Facilities															
P	Primary Copper Smelters															
Q	Primary Zinc Smelters															
R	Primary Lead Smelters															
S	Primary Aluminum Reduction Plants															
T & U	Phosphate Fertilizer Industry															
V, W, X	Phosphate Fertilizer Industry															
Y	Coal Preparation Plants															
Z	Ferroalloy Production Facilities															
AA, AAa	Steel Plants															
BB	Kraft Pulp Mills															
CC	Glass Manufacturing Plants															
HH	Lime Manufacturing Plants															
KK	Lead-Acid Battery Manufacturing Plants															
LL	Metallic Mineral Processing Plants															
MM	Automobile and Light-Duty Truck Surface Coating Operations															
NN	Phosphate Rock Plants															
PP	Ammonium Sulfate Manufacture															
UU	Asphalt Processing and Asphalt Roofing Manufacture															

TITLE V APPLICATION

Applicable Requirements Summary Checklist (FORM 1401-H1) - continued

[illegible]SDAPCD – Rev. 05/2015

San Diego County Air Pollution Control District
10124 Old Grove Road San Diego CA 92131-1649
(858) 586-2600 FAX (858) 586-2601

TITLE V APPLICATION
LIST OF PERMITS BY EQUIPMENT CATEGORY (FORM 1401-H2)

Company Name	District Use Only
<u>Hanson Aggregates Pacific Southwest, Inc.</u>	NEDS # _____
Facility Address: <u>8514 Mast Boulevard, Santee</u>	SITE ID # _____
<u>CA 92071</u>	

PERMITTED EMISSION UNITS BY EQUIPMENT CATEGORY

In the emission unit (equipment) category order entered on Form 1401-H1, Applicable Requirements Summary Checklist, list emission units by permit number for the specific emission unit (equipment) category. Under the column labeled status place an "O" if operational, "N" if non-operational, or "S" if the equipment is new and currently operating under a startup authorization. If more space is required, use additional forms. Please type or print legibly.

Emission Unit Category	Application/ Permit No.	Status of Emission Unit
Facility	979270	O
Crushers	979270	O
Belt Conveyors	979270	O
Screens	979270	O

San Diego County Air Pollution Control District
10124 Old Grove Road San Diego CA 92131-1649
(858) 586-2600 FAX (858) 586-2601

TITLE V APPLICATION
Certification Statement (FORM 1401-I)

Company Name	District Use Only
Hanson Aggregates Pacific Southwest, Inc.	NEDS # _____
Facility Address: 8514 Mast Boulevard, Santee, CA 92071	SITE ID # _____

Under penalty of perjury, identify the following: (Read each statement carefully and check each box for confirmation.)

Applicable	Not Applicable	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Based on information and belief formed after reasonable inquiry, the source(s) identified in this application will continue to comply with the applicable requirement with which the source is in compliance. The applicable requirement(s) with which the source(s) is/are not in compliance is/are identified in Form 1401-L, Schedule of Compliance.
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Based on information and belief formed after reasonable inquiry, the source(s) identified in this application will comply with the future-effective applicable requirement(s) on a timely basis.
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Based on information and belief formed after reasonable inquiry, the source(s) identified in the Schedule of Compliance application form that is/are not in compliance with the applicable requirement(s), will comply in accordance with the attached compliance plan schedule.
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Based on information and belief formed after reasonable inquiry, information on application forms, referenced documents, all accompanying reports, and other required certifications are true, accurate, and complete.
<input checked="" type="checkbox"/>	<input type="checkbox"/>	All fees required by Regulation III, Rule 40 have been paid.



Signature of Responsible Official

Ian Firth

Print Name of Responsible Official
Vice President General Manager

Title of Responsible Official

12/13/18

Date

(858) 715-5699

Telephone No. of Responsible Official

San Diego County Air Pollution Control District
10124 Old Grove Road San Diego CA 92131-1649
(858) 586-2600 FAX (858) 586-2601

TITLE V APPLICATION Schedule of Compliance (FORM 1401-L)

Company Name <u>Hanson Aggregates Pacific Southwest, Inc.</u>	District Use Only
Facility Address: <u>8514 Mast Boulevard, Santee, CA 92071</u>	NEDS # _____ SITE ID # _____

SOURCES NOT IN COMPLIANCE

In numerical order, list all emission units by permit number that do not comply with a federally enforceable requirement. Describe how the source will achieve compliance. Propose a schedule to correct the deficiencies, and include a schedule for progress reports. Reports must be submitted at least every six months. If the source is operating under a judicial consent decree or administrative order, the Schedule of Compliance must be at least as stringent. **If more space is required, use additional forms. Please type or print legibly.**

Permit No.	Emission Unit Name	Applicable Requirements	Compliance Schedule Attachment
	NONE		

San Diego County Air Pollution Control District
10124 Old Grove Road San Diego CA 92131-1649
(858) 586-2600 FAX (858) 586-2601

TITLE V APPLICATION
Abatement Devices (FORM 1401-M)

Company Name _____	District Use Only NEDS # _____ SITE ID # _____
Facility Address: <u>8514 Mast Boulevard, Santee, CA 92701</u>	

LIST OF ABATEMENT DEVICES

In numerical order, list all abatement devices, the abatement device, name or description, and the emission unit or operation abated. If more space is required, use additional forms. Please type or print legibly.

Permit No(s)	Abatement Device Name or Description	Emission Unit(s) or Operation(s) Abated
979270	Baghouse 1	CR-1: Sandvik Crusher S 4800
979270	Baghouse 2	CR-3 REMco
979270	Baghouse 3	CR-2: Sandvik Crusher H 6800
979270	Water Sprays	Miscellaneous

APPENDIX C: PERMIT APPLICATION FEE



West Region
P O Box 639069
San Diego, CA 92163-9069
Telephone: (858) 715-5667

Date: December 17, 2018

Air Pollution Control District
County of San Diego
Mr. Jim Swaney
Chief-Engineering Division
10124 Old Grove Road
San Diego, CA 92131-1649

**Re: Hanson Aggregates Pacific Southwest, Inc. Title V Application for Existing
Aggregate Plant Permit # 979270**

Dear Mr. Swaney:

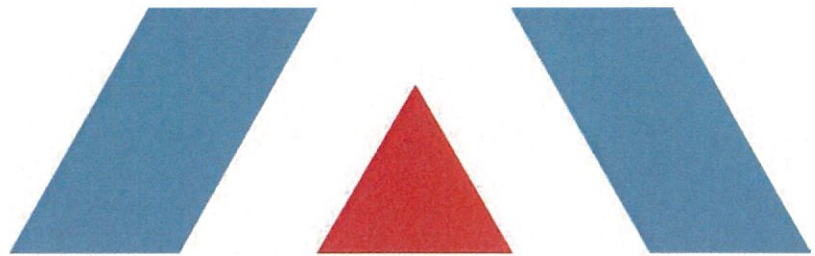
Please find attached Hanson Aggregates Pacific Southwest, Inc. Title V Application for the existing aggregate plant Permit # 979270 located at 8514 Mast Boulevard, Santee, CA.

Should you have any questions or require additional information, please contact me at (858) 715-5667.

Respectfully yours,

A handwritten signature in blue ink, appearing to read "A. Lund".

Aaron J. Lund
Environmental Manager
Lehigh Hanson, West Region



INITIAL TITLE V PERMIT APPLICATION

Hanson Aggregates Pacific Southwest > Santee Plant



Prepared For:
Aaron Lund
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November 2018



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1. INTRODUCTION

Hanson Aggregates Pacific Southwest operates an aggregates production facility (ID #APCD2003-SITE-04824) at 8514 Mast Boulevard in Santee. The facility, referred to hereafter as Hanson Santee, currently operates under Permit To Operate (PTO) No. 979270. The San Diego Air Pollution District (SD APCD) has recently determined that Hanson Santee needs to obtain a Title V permit under Regulation XIV because Hanson Santee is considered a “major stationary source” as defined in Rule 1401(c). Therefore, Hanson Santee is submitting this initial Title V permit application.

1.1. APPLICATION CONTENTS

Rule 1414 specifies requires for a complete application and this initial Title V application is organized as follows to meet Rule 1414 requirements:

- Section 2 describes the facility;
- Section 3 details the regulatory applicability analysis;
- Appendix A includes a CAM applicability analysis;
- Appendix B includes the required application forms; and
- Appendix C includes the check for the application fees.

2. FACILITY DESCRIPTION

Hanson Santee is an aggregates production facility. Rock is quarried, screened, crushed, and further screened in order to separate it into various size categories. A portion of the production is further processed in a water washing process. Belt conveyors are used to convey materials within the plant. There are three crushers for crushing the mined material into smaller size. Emission control equipment and processes include: three baghouses to reduce emissions from the crushers and water sprays located throughout the process to maintain material moisture content such that fugitive dust is minimized.

The facility is currently permitted to process up to 18,000 tons per day and 5,616,000 tons per year. Plant equipment is periodically moved within the property, depending on the location of the working quarry area.

The facility was initially permitted under PTO 979270, which has been amended several times.

- An overland conveyor and stacking conveyor were added under Application 980468.
- Two belt conveyors and the vertical shaft impact crusher were added under Application 980763.
- Various equipment was replaced and the equipment configuration modified so that each crusher would have a separate baghouse under Application 985668.
- A pit conveying system was added under Application 986624.
- A screen was removed under Application 001238, and another screen was replaced under Application 002255.
- A grizzly, two belt conveyors, and two screw conveyors were removed from the permit under Application 001518.¹

¹ That application also initially proposed to add 5 conveyors and a screen to the pit system, but those elements of the application were withdrawn and not constructed.

3. REGULATORY APPLICABILITY

The facility is subject to federal and District air regulations. This section of the application summarizes the air permitting requirements and the key air quality regulations that apply. Specifically, applicability of New Source Review (NSR), Title V of the 1990 Clean Air Act Amendments, New Source Performance Standards (NSPS), National Emission Standards for Hazardous Air Pollutants (NESHAP), and State Implementation Plan (SIP) regulations are addressed.

3.1. TITLE V OPERATING PERMIT PROGRAM

Federally enforceable Title V operating permits are required for major stationary sources of air pollutants as defined in 40 CFR Part 70 and Rule 1401. SD APCD has determined that the operations of Hanson Santee facility requires a permit under the Title V Program. This application requests issuance of a Title V operating permit for the facility.

3.2. NEW SOURCE PERFORMANCE STANDARDS (NSPS)

3.2.1. 40 CFR 60 Subpart A - General Provisions

All affected sources subject to source-specific NSPS are subject to the general provisions of NSPS Subpart A unless specifically excluded by the source-specific NSPS. Subpart A requires initial notification, performance testing, recordkeeping and monitoring, provides reference methods, and mandates general control device requirements for all other subparts as applicable.

3.2.2. 40 CFR 60 Subpart 000 - Nonmetallic Mineral Processing Plants

NSPS Subpart 000 applies to each crusher, grinding mill, screen, bucket elevator, belt conveyor, bagging operation, storage bin, and enclosed truck or railcar loading station in fixed or portable nonmetallic mineral processing plants, for which construction, modification, or reconstruction is commenced after August 31, 1983. The Plant is considered a “crushed and broken stone” processing plant for these purposes, which meets the definition of nonmetallic mineral processing; therefore, each source of the types listed is potentially subject to NSPS Subpart 000. Due to amendments to this Subpart, the regulation has two sets of emission limits and requirements: one for equipment for which construction, modification, or reconstruction was commenced after August 31, 1983 but no later than April 22, 2008, and a second section for equipment commencing those actions on or after April 23, 2008.

3.2.2.1. 1983 Standard

Affected facilities that commenced construction, modification, or reconstruction after August 31, 1983 but before April 22, 2008 are limited to 0.022 gr/dscf particulate matter for point source emissions. A 7% stack opacity limit applies to all affected point sources using dry controls. All affected sources are subject to a 10 percent fugitive opacity limit (15% for crushers without capture systems).

Properly operated baghouses ensure compliance with the NSPS Subpart 000 point source emission limits for the crushers. Other affected sources meet the fugitive opacity limits using a combination of enclosure techniques and wet suppression (water sprays), either on a direct basis or by moisture carryover.

3.2.2.2. 2008 Standard

Sources constructed or modified after April 22, 2008 are limited to 0.014 gr/dscf for stack emissions or 7% fugitive opacity. There is no stack opacity limit in the 2008 standard, except for enclosed storage bins with dedicated dry control devices. The 2008 standard also includes a requirement for 5-year repeat performance tests for fugitive opacity compliance.

All affected facilities currently at Hanson Santee are subject to the 1983 standard.

3.3. NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS (NESHAP)

No standards listed in 40 CFR Parts 61 or 63 have been identified as applicable or potentially applicable to the operations of Hanson Santee.

3.4. 40 CFR 64, COMPLIANCE ASSURANCE MONITORING

Per the applicability criteria in 40 CFR 64.2(a), Compliance Assurance Monitoring (CAM) applies to any pollutant specific emission unit (PSEU) that:

- Has a Potential-to-Emit (PTE), without taking into account the control device, for one or more regulated pollutants in an amount (in tons per year) equal to or greater than 100 percent of the applicable Part 70 major source threshold;
- Is subject to an emission limitation or standard for the applicable air pollutant; and
- Uses a control device to comply with any such emission limitation or standard.

CAM requirements do not apply to the following:

- Emission limitations or standards proposed by U.S. EPA after November 15, 1990 under the New Source Performance Standards (NSPS) or National Emission Standards for Hazardous Air Pollutants (NESHAPs) (40 CFR 64.2(b)(1)(i))
- Emission limitations for which a Part 70 permit specifies a continuous compliance determination method.

Hanson Santee uses emission control devices at each of the three crushers to achieve compliance with the 0.022 gr/dscf emission standard of 40 CFR 60, Subpart 000. The standard was proposed before November 15, 1990, and the baghouses do not use a continuous compliance determination method. According to Table 1 of Appendix A, potential uncontrolled PM₁₀ emissions from each crusher exceed the applicable major source threshold. Therefore, CAM applies to each of the crushers. The provisions of 40 CFR 64.5 govern the timing of CAM Plan submissions. CAM Plans are due at the time of the initial Title V application for any "large pollutant-specific emission unit" and are due at the first Title V renewal application for any "other pollutant-specific emission units" subject to CAM. None of the crushers have potential controlled PM₁₀ emissions exceeding the major source threshold, and therefore none meet the definition of "large pollutant-specific emission unit". Therefore, no CAM Plan is due as part of this application; a CAM Plan will be due at the first Title V renewal application.

3.5. 40 CFR 82, PROTECTION OF STRATOSPHERIC OZONE

Subpart F of Part 82 includes requirements intended to control releases of ozone-depleting substances and related substitute refrigerants, which include substitutes that are not harmful to stratospheric ozone. Included among these requirements are the Subpart F required practices of persons or facilities that service, maintain,

repair, or dispose of appliances containing such substances. Hanson Santee owns or operates comfort cooling equipment that contains regulated refrigerants. Therefore, the facility's operations are subject to Subpart F requirements. The facility complies by using only certified technicians to service, maintain, and repair such appliances, and by ensuring that any such appliances are managed in compliance with 40 CFR 82.155 at the time of disposal. The facility does not include any equipment rated to contain 50 pounds or more of a regulated refrigerant, so the maintenance and leak repair practices of 40 CFR 82.157 do not apply.

3.6. SAN DIEGO APCD AIR REGULATIONS

3.6.1. Rule 10 - Permits Required

This rule discusses the general requirements to obtain an authority to construct (ATC) and a PTO.

An ATC must be obtained for any article, machine, equipment, or other contrivance that is being built that may emit or control emissions of air contaminants. The ATC must be obtained in writing from the AQCD officer. Each separate unit in a process must receive its own unique ATC. The ATC shall remain in effect until the PTO is either granted, denied, or cancelled. A PTO must be obtained before any person uses or operates or causes to be operated any article, machine, equipment or contrivance. A separate PTO shall be required of each separate unit. The PTO will need to be visible within 25 feet of the permitted unit.

The 8x24 screen shown in the process flow diagram is proposed; an ATC application is being submitted under separate cover. All currently-constructed equipment operates under PTO 979270 issued by the SD APCD. The constructed equipment at the site has not been moved outside of the "contiguous parcel" of land and therefore has not required any new ATC or PTO.

It should be noted that the facility contains storage tanks containing organic materials that are over 250 gallons. However, the liquids in these tanks are not considered volatile liquids as defined in Rule (11)(c)(32) as having a Reid vapor pressure of greater than 3 pounds per square inch or a true vapor pressure greater than 3 pounds per square inch at 100 °F. Therefore, the organic storage containers at this facility are not required to obtain either an ATC or PTO under the exemption of Rule (11)(d)(17)(i).

3.6.2. Rule 19.3 - Emission Information

This rule is applicable to the owner and operator of sources of emissions of air pollutants or any person who is selling or supplying any material which may cause the emission of air pollutants. The facility operates numerous pieces of equipment that emit air pollutants and thus is subject to this rule. This facility is required by the rule to submit Emissions Statement Forms and/or Emissions Inventory Report Forms.

The District may require the submission of Emission Statement forms and/or Emissions Inventory Report Forms whenever they are deemed necessary by the district. Upon receipt of either of these forms from the District, the person subject to the rule shall complete and return the form within 60 days of the form being provided and provide with the completed form a signed statement by the person or responsible official certifying that the form information is accurate and correct.

3.6.3. Rule 40 - Permit and Other Fees

According to Rule 40(f)(9), the operator shall pay on a time and materials basis, the cost of the District to review and act upon a Title V operating permit application. The fees paid shall be determined based on this rule.

Permit fees calculated in accordance with Rule 40 are included in Appendix D of this report.

3.6.4. Rule 50 - Visible Emissions

This rule is applicable to all air sources in SD APCD jurisdiction not otherwise specifically exempted. Such sources may not allow the emissions of any air contaminant from a single source for periods combining to greater than 3 minutes in any period of 60 consecutive minutes where the contaminants cause a shade or opacity that is darker than 1 on the Ringelmann Chart. The facility complies with Rule 50 through the use of wet suppression (water sprays) and central dust collection controlled by baghouses at targeted locations.

3.6.5. Rule 52 - Particulate Matter

Except for internal combustion engines and sources subject to Rule 53, equipment that is required to obtain an ATC or PTO shall not discharge into the atmosphere particulate material that is in excess of 0.10 grain per dry standard cubic foot of gas. The facility's point source emissions comply through the use of properly operated and maintained baghouses.

3.6.6. Rule 54 - Dust and Fumes

The facility shall not discharge into the atmosphere from any source dust or fumes that exceed the amounts allotted in the table depicted in this rule. All of the individual process units have throughputs of greater than 60,000 lbs/hr and therefore all the equipment in the facility must comply with the maximum weight discharge limit of 40.00 lbs/hr from all sources of dust and fumes as shown in the table in this rule. Estimated emissions of TSP and PM₁₀ from each unit are much lower than this limit for each source. Therefore, the facility is in compliance.

3.6.7. Rule 55 - Fugitive Dust Control

Rule 55 restricts fugitive dust emissions from commercial "construction or demolition activity". Lehigh will meet the requirements if there are any "on-site activity preparatory to or for the purpose of building, altering, rehabilitating, raising, tearing down, breaking into pieces, or improving property..." activities at the site.

3.6.8. Rule 61 - Volatile Organic Compounds

These rules limit volatile organic compound (VOC) emissions from several source types and activities. The facility stores and handles organic compounds similar to the regulated materials, including diesel fuel, hydraulic oil, transmission fluid, and motor oil. However, these materials do not meet the Rule 61.0 definition of "volatile organic compound", which requires a Reid vapor pressure or True vapor pressure of 3.0 psia or greater. Therefore, the Rule 61 requirements generally do not apply.²

² Technically Rule 61.2 may apply to transfers of liquids into mobile transport tanks with capacity of 550 gallons or greater that result in generation of VOC vapors; this could occur at this facility when waste oil is transferred from a stationary tank into a mobile tank to be hauled off-site. However, this would be exempted from the emission limitations of §61.2(c) by action of §61.2(b)(1), as any such stationary tank at the facility would be exempt from permitting requirements by Rule 11 due to having a Reid vapor pressure of less than 3.0 psia. Therefore, Rule 61.2 is applicable but has no practical effect.

3.6.9. Rule 62 - Sulfur Content of Fuels

The facility does not include any stationary fuel burning equipment. Therefore, the rule does not apply.

3.6.10. Rule 67.17 - Storage of Materials Containing Volatile Organic Compounds

The facility's insignificant stationary storage tanks for diesel fuel, used oil, hydraulic oil, transmission fluid, and motor oil are subject to Rule 67.17 and comply by being kept closed except when in use. These containers may be equipped with vents as necessary to comply with applicable fire and safety codes.

3.6.11. Rule 1414 - Applications

Rule 1414(f) specifies the requirements for a Title V permit application to be considered complete. With respect to those requirements, it is proposed that the existing terms, conditions, and compliance demonstration methods of PTO 979270 be carried over in the Title V permit. .

APPENDIX A: CAM APPLICABILITY ANALYSIS

Hanson Aggregates Pacific Southwest Region- Santee Crushing and Screening Plant

Table 1: Baghouse Uncontrolled Potential PM₁₀ Emissions for CAM Applicability Analysis

PFD Unit No.	Description	Throughput Rates		Available Control	SDAPCD Emission Factor	PM ₁₀ Emission Factor (lb/ton)	Potential Emissions		CAM Threshold (tpy)	CAM Applicable?
		Hourly (tph)	Yearly Throughput (tpy)				Controlled Ducted (tpy)	Uncontrolled Total (tpy)		
PC-6 to PC-7 (passing through CR-1 Crusher)	Primary Crushing w/ Baghouse	600	5,256,000	Baghouse (BH-1)	CO4	7.00E-04	3.0034	300.4348	100 Y	
SC-1 +SC-4 to SC-2	Tertiary Crushing w/ Baghouse	500	4,380,000	Baghouse (BH-2)	CL3	2.40E-03	2.4027	240.5371	100 Y	
(Passing through CR-2 Crusher)	Tertiary Crushing w/ Baghouse	500	4,380,000	Baghouse (BH-3)	CL3	2.40E-03	2.3727	237.5337	100 Y	
SC-2 to SC-3										
(Passing through CR-3 Crusher)										

Capture and Control Efficiencies (%)	
Baghouse Capture Efficiency (District guidance)	95%
Baghouse Control Efficiency (assumed)	99%

Baghouse Air Flow Rates (scfm)	
BH-1	10000
BH-2	8000
BH-3	7900

Notes:

- For CAM applicability analysis, emissions from the baghouses are calculated as:
Controlled Ducted Emissions = (Baghouse Air Flow Rate, scfm) x (60 min/hr) x (8,760 hr/yr) x (0.008 gr/dscf) x (lb/7000 gr)
- Uncontrolled potential emissions are calculated by addition of fugitive emissions and uncontrolled ducted emissions, where:
Fugitive Emissions = Process Rate x Emission Factor x (100%-95% capture efficiency)
Ducted Emissions = Controlled Ducted Emissions / (100%-99% control efficiency)

APPENDIX B: APPLICATION FORMS

